# **Canon projector SX6/SX60/X600 User Commands**

ver. 01.0100/05 2005.12.27 ver. 01.0100/04 2005.12.5 ver. 01.0100/03 2005.11.14 ver. 01.0100/02 2005.11.10 ver. 01.0100/01 2005.11.1 User Command Specifications Version revision history

# I. Version revision history

Numerical	Data	Description of accional courses	\A/le and not the and
value	Date	Description of revised version	Where revised
01.0100/01	2005.11.01	Version first created.	E-the decree
01.0100/02	2005.11.10	Version number of User Commands changed to "01.0100."	Entire document
		Listing of the parameters for each command changed to the listing obtained by the "RANGE" command. "Character interval timeout" in communication specifications changed from 10ms to 5 seconds (timeout	Entire document PAGE 2
		between CR and LF is 10ms).	FAGL 2
		"GUID" in "User Command System" changed to "GUIDE."	PAGE 8
		"GUID" in "Command List" changed to "GUIDE.	PAGE 12
		Condition added to "RC/MAIN commands" as a condition for returning from power management standby	PAGE 11
		in "Power Management Mode."	DA 05 40 47
		"AUTOSETEXE" command changed from a "setting" command to a "control" command.	PAGE 12, 17
		"Auto screen color correction" of the "AUTOSETEXE" command changed to "automatic screen color correction."	PAGE 17
		Error response information added in "Response" of the "AUTOSETEXE" command.	PAGE 17
		Condition for disabling "INPUT" execution added to "Description" of the "AUTOSETEXE" command.	PAGE 17
		The fact that the screen color correction (WB) is to be adjusted after executing automatic screen color	PAGE 17
		correction added to "Description" of the "AUTOSETEXE" command.	540504
		Support for the D-Video input of the SX6/SX60/X600 in the "Supported (command) states" of the	PAGE 24
		"HPIX/VPIX" commands revised. Support for the SX6/SX60/X600 in the "Supported (command) states" of the "ASPECT" command revised.	PAGE 26
		The fact that settings are to be performed by the system for the SX6/SX60/X600 added to the description	
		of the "WBRGB" command.	1710207
		Support for no signals of the SX50 in the "Supported (command) states" of the "VKS/HKS" commands	PAGE 48
		revised.	
		"ZSTEPDRV," "ZCONTDRV," "FSTEPDRV" and "FCONTDRV" commands changed from "control"	PAGE 12,65~68
		commands to "setting" commands.	DACE 66 69
		"GET ERR" removed from "(4) Zoom/focus stop commands" in the "ZCONTDRV" and "FCONTDRV" commands.	PAGE 66,68
		Commands for responding normally while drive is maintained added in the "ZCONTDRV" and	PAGE 66,68
		"FCONTDRV" commands.	,
		"GUID" parameter of "GET" command changed to "GUIDE."	PAGE 72,115
		"NOSHOWSTATUS" parameter of "GET" command changed to "NOSHOWSTATE."	PAGE 72,118
		Support for the D-Video of the SX6/SX60/X600 in the "Supported (command) states" of the "GET	PAGE 80
		HPIX/VPIX" commands revised.  Action to be taken when D-Video, SCART or none is applicable in the "Supported (command) states" of	PAGE 82
		the "GET ASPECT" command revised.	FAGL 02
		Action to be taken when no SX50 signals are provided in the "Supported (command) states" of the "GET	PAGE 101
		VKS/HKS" commands revised.	
		Description of the version information obtained by "GET COMVER" command added.	PAGE 125
		"GUID" parameter of "RANGE" command changed to "GUIDE."	PAGE 126,170
		Support for the local mode of the SX6/SX60/X600 in the "Supported (command) states" of the "RANGE	PAGE 128
		POWER" command revised. Support for the local mode of the SX6/SX60/X600 in the "Supported (command) states" of the "RANGE"	PAGE 131
		INPUT" command revised.	TAGE 101
		Support for the D-Video of the SX6/SX60/X600 in the "Supported (command) states" of the "RANGE	PAGE 135
		HPIX/VPIX" commands revised.	
		Action to be taken when D-Video, SCART or none is applicable in the "Supported (command) states" of	PAGE 137
		the "RANGE ASPECT" command revised.  Action to be taken when no SX50 signals are provided in the "Supported (command) states" of the	PAGE 156
		"RANGE VKS/HKS" commands revised.	PAGE 150
01.0100/03	2005.11.14	Pressing of POWER button added to the conditions for clearing BLANK of the "BLANK" command.	PAGE 18
		Listing of the parameters in "Example" of the "RANGE ZSTEPDRV" command revised.	PAGE 173
		Listing of the parameters in "Example" of the "RANGE ZCONTDRV" command revised.	PAGE 174
		"INPUT_NOT_FOUND" added to "Error List."	PAGE 177
01.0100/04	2005.12.05	The fact that the guide display is not cleared in "Remote mode" added.	PAGE 14
		Support for the SX6/SX60/X600 in the "Supported (command) states" of the "ASPECT" command revised.	
		Operation performed when "GUIDE-OFF" is received in "Remote mode" added.  Processing to be undertaken for the "GET MODE" command in cases where zoom or focus lens drive is	PAGE 62 PAGE 73
		underway deleted.	PAGE 73
		Processing to be undertaken for the "GET POWER" command in cases where zoom or focus lens drive is	PAGE 74
		underway deleted.	. ,
		Support for the local mode of the SX6/SX60/X600 in the "Supported (command) states" of the "GET	PAGE 103
		MUTE" command revised.	DA 05 15:
		Processing to be undertaken for the "GET LAMPCOUNTER" command in cases where zoom or focus	PAGE 121
		lens drive is underway deleted.  Processing to be undertaken for the "GET PRODCODE" command in cases where zoom or focus lens	PAGE 123
		drive is underway deleted.	
		Processing to be undertaken for the "GET ROMVER" command in cases where zoom or focus lens drive	PAGE 124
		is underway deleted.	DA 05 105
			PAGE 125
01.0100/05	2005.12.27	is underway deleted. In "2. Communication System," "Time out" described separately for SX50 and SX6/SX60/X600.	PAGE 2
	2000.12.21	Statuses of SX6/SX60/X600, TRUE and A-RGB1 in the "Supported (command) states" of the "ASPECT"	PAGE 2 PAGE 26
		command changed from "x" to "O."	
		The fact that the response to the "ZCONTDRV" command in cases where zoom drive is underway is	PAGE 66
		"unconditionally" i:BUSY clearly indicated	
		The fact that the response to the "FCONTDRV" command in cases where focus drive is underway is	PAGE 68
		III. and a second the second of the DELOCK of a contract of the second o	
		"unconditionally" i:BUSY clearly indicated. "BUSY (FOCUS)" and "BUSY (700M)" priority levels raised.	DAGE 177
		"unconditionally" i:BUSY clearly indicated. "BUSY (FOCUS)" and "BUSY (ZOOM)" priority levels raised.	PAGE 177

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GET MUTE         103           GET BYOL         104           GET IMAGEFLIP         105           GET PMM         106           GET PJON         107           GET NOSIG         108           GET NOSHOW         109           GET LOGOPOS         110           GET LANG         111           GET KEYLOCK         113           GET KEYLOCK         113           GET RCCH         114           GET GUID         115           GET DPON         116           GET LEDILLUMINATE         117           GET NOSHOWSTATUS         118           GET FREEZE         119           GET SIGNALSTATUS         120           GET LAMPCOUNTER         121           GET PRODCODE         123           GET PRODCODE         123           GET ROMVER         124           GET COMVER         125           RANGE         126           RANGE POWER         128           RANGE POWER         128           RANGE POWER         128           RANGE BLANK         129           RANGE DOTS         131           RANGE DOTS         131		
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GET LOGOPOS         110           GET LANG         111           GET TERMINAL         112           GET KEYLOCK         113           GET RCCH         114           GET GUID         115           GET DPON         116           GET LEDILLUMINATE         117           GET NOSHOWSTATUS         118           GET FREEZE         119           GET SIGNALSTATUS         120           GET LAMPCOUNTER         121           GET ERR         122           GET PRODCODE         123           GET ROMVER         124           GET COMVER         125           RANGE         126           RANGE POWER         128           RANGE BLANK         129           RANGE BLANK         129           RANGE BLANK         129           RANGE BLANK         130           RANGE INPUT         131           RANGE POWER         132           RANGE HPOS/VPOS         134           RANGE HPOS/VPOS         134           RANGE SEL         136           RANGE BRI         139           RANGE BRI         139           RANGE SHARP		
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User Command Specifications 1. Overview

### 1. Overview

- These specifications describe the methods of controlling the projector from the PC over an RS-232C connection
   Virtually all operations possible with the remote control can be controlled from the PC
   The following symbols are used in these specifications.

Symbol	Description
Δ	Space with 0 or more characters (20h), Tab (09h), or other separator
	Space with 1 or more characters (20h), Tab (09h), or other separator
$\nabla$	Separator between parameters △,△ □
[]	The data in [] can be omitted.
	Same as OR
:=	The definition name is on the left side of this mark, and the definition description is on the right side.

# 2. Communication Specifications

	Item	Specifications					
	Communication system RS-232-C Start-stop synchronization Semi-duplex communication						
	Transmission speed 19.2Kbps						
	Character length	8 bits/character					
	Stop bit	2 bits					
	Parity	None					
	Transmission format	Variable-length record with terminal as delimiter					
	Maximum transmission	Maximum of 256 characters (bytes) including delimiters					
	<u>length</u>						
	Delimiters	Delimiters are one of CR, LF, CR+LF, Null (0) (Delimiters are identified automatically.)					
		Response delimiters are identical to command delimiters.					
	Transmission codes	ASCII code (General-purpose characters: 20h to 7Fh), Tab (09h)					
		(Codes other than those above and delimiters are considered "other separator codes")					
		Uppercase and lowercase of alphabetic characters are considered the same character.					
		Double-byte characters and single-byte characters are not distinguished. All are considered					
		single-byte characters.					
	Communication procedure	e No procedure					
	Flow control	None					
	Error control	None					
	Break signal	Not supported					
	Time out	Tc Character : 10ms * For the SX50					
		interval :5S (Timeout between CR and LF is 10ms.)* For the SX6, SX60 or X6					
		Tr Command/response interval:10S					
		The Community of the Paris of t					
onnection							
ecifications							
	PC - Projector connection	status Item Specifications					
	COM	M SERVICE					
	POR						
		system basis with the projector					
	<b></b> #	Connection 3-line connection of S					
		signal line RD, and SG					
	PC	Dedicated cable Connection Dedicated cable					
	PC	Projector Connection diagra					
		here.					
	Send data SD	SD Send data					
	Receive data RD	RD Receive data					
	Receive data RD	TO Receive data					
	Receive data RD	TO RECEIVE data					
		<b>_</b>					
	Signal ground SG	SG Signal ground					
	Signal ground SG—	SG Signal ground					
	Signal ground SG ※ In the proj	SG Signal ground sector, none of the signal lines except for the three lines of SD, RD and SG are used!					
	Signal ground SG ※ In the proj	SG Signal ground					
lantra I	Signal ground SG—	SG Signal ground sector, none of the signal lines except for the three lines of SD, RD and SG are used! ary, loop back its own signals at the PC side.					
	Signal ground SG	SG Signal ground sector, none of the signal lines except for the three lines of SD, RD and SG are used! ary, loop back its own signals at the PC side.					
	Signal ground SG	sector, none of the signal lines except for the three lines of SD, RD and SG are used! ary, loop back its own signals at the PC side.  trol modes, the local mode and remote mode. used in REMOTE mode.					
	Signal ground SG	SG Signal ground sector, none of the signal lines except for the three lines of SD, RD and SG are used! ary, loop back its own signals at the PC side.					
Control Mode	Signal ground SG	SG Signal ground sector, none of the signal lines except for the three lines of SD, RD and SG are used! ary, loop back its own signals at the PC side.  Itrol modes, the local mode and remote mode. used in REMOTE mode.  The REMOTE and LOCAL commands.					
	Signal ground	sector, none of the signal lines except for the three lines of SD, RD and SG are used! ary, loop back its own signals at the PC side.  Introl modes, the local mode and remote mode.  Used in REMOTE mode.  The REMOTE and LOCAL commands.  REMOTE command					
	Signal ground SG	SG Signal ground sector, none of the signal lines except for the three lines of SD, RD and SG are used! ary, loop back its own signals at the PC side.  Itrol modes, the local mode and remote mode. used in REMOTE mode.  The REMOTE and LOCAL commands.					
	Signal ground	sector, none of the signal lines except for the three lines of SD, RD and SG are used! ary, loop back its own signals at the PC side.  Introl modes, the local mode and remote mode.  Used in REMOTE mode.  The REMOTE and LOCAL commands.  REMOTE command					
	Signal ground	sector, none of the signal lines except for the three lines of SD, RD and SG are used! ary, loop back its own signals at the PC side.  Introl modes, the local mode and remote mode.  used in REMOTE mode.  The REMOTE and LOCAL commands.  REMOTE command  REMOTE mode					
	Signal ground SG   ※ In the proj  ※ If necessa  The projector has two com  Most user commands are  The two modes are set by  LOCAL mode	sector, none of the signal lines except for the three lines of SD, RD and SG are used! ary, loop back its own signals at the PC side.  Itrol modes, the local mode and remote mode.  used in REMOTE mode.  The REMOTE and LOCAL commands.  REMOTE command  REMOTE mode					
	Signal ground	iector, none of the signal lines except for the three lines of SD, RD and SG are used! ary, loop back its own signals at the PC side.  Itrol modes, the local mode and remote mode.  used in REMOTE mode.  The REMOTE and LOCAL commands.  REMOTE command  • Except for RC and MAIN, all user commands are available in this					
	Signal ground SG	iector, none of the signal lines except for the three lines of SD, RD and SG are used! ary, loop back its own signals at the PC side.  Itrol modes, the local mode and remote mode.  used in REMOTE mode.  The REMOTE and LOCAL commands.  REMOTE command  • Except for RC and MAIN, all user commands are available in this					
	Signal ground SG	Signal ground sector, none of the signal lines except for the three lines of SD, RD and SG are used! ary, loop back its own signals at the PC side.  Itrol modes, the local mode and remote mode. used in REMOTE mode. It he REMOTE and LOCAL commands.  REMOTE command  - Except for RC and MAIN, all user commands are available in this None of the remote control and main unit panel buttons except for					
	Signal ground SG	sector, none of the signal lines except for the three lines of SD, RD and SG are used! ary, loop back its own signals at the PC side.  Itrol modes, the local mode and remote mode. used in REMOTE mode. The REMOTE and LOCAL commands.  REMOTE command  REMOTE mode					
	Signal ground  With the project of the projector has two conference of the two modes are set by  LOCAL mode  Initial mode of projector The available user comm	iector, none of the signal lines except for the three lines of SD, RD and SG are used! any, loop back its own signals at the PC side.  Itrol modes, the local mode and remote mode. used in REMOTE mode. The REMOTE and LOCAL commands.  REMOTE command  - Except for RC and MAIN, all user commands are available in this None of the remote control and main unit panel buttons except for POWER can be used.  - Control is switched to this mode by the REMOTE command.					
Mode	Signal ground  ignorphise in the project in the projector has two confidence in the two modes are set by  LOCAL mode  Initial mode of projector The available user comm	iector, none of the signal lines except for the three lines of SD, RD and SG are used!  ary, loop back its own signals at the PC side.  Introl modes, the local mode and remote mode.  used in REMOTE mode.  The REMOTE and LOCAL commands.  REMOTE command  REMOTE command  - Except for RC and MAIN, all user commands are available in this  None of the remote control and main unit panel buttons except for POWER can be used.  Control is switched to this mode by the REMOTE command.					
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Mode	Signal ground  ignorphise in the project in the projector has two confidence in the two modes are set by  LOCAL mode  Initial mode of projector The available user common communication between the command sent from the F	iector, none of the signal lines except for the three lines of SD, RD and SG are used!  ary, loop back its own signals at the PC side.  Introl modes, the local mode and remote mode.  used in REMOTE mode.  The REMOTE and LOCAL commands.  REMOTE command  REMOTE command  - Except for RC and MAIN, all user commands are available in this  None of the remote control and main unit panel buttons except for POWER can be used.  Control is switched to this mode by the REMOTE command.					
Mode	Signal ground SG	iector, none of the signal lines except for the three lines of SD, RD and SG are used!  irry, loop back its own signals at the PC side.  itrol modes, the local mode and remote mode.  used in REMOTE mode.  The REMOTE and LOCAL commands.  REMOTE command  - Except for RC and MAIN, all user commands are available in this  None of the remote control and main unit panel buttons except for POWER can be used.  Control is switched to this mode by the REMOTE command.  The PC and projector is performed by the projector responding bysending a response to the PC.  The projector, communication is possible regardless of whether the power is on or off.					
Mode	Signal ground  ignorphise in the project in the projector has two confidence in the two modes are set by  LOCAL mode  Initial mode of projector The available user common communication between the command sent from the F	iector, none of the signal lines except for the three lines of SD, RD and SG are used!  ary, loop back its own signals at the PC side.  Introl modes, the local mode and remote mode.  used in REMOTE mode.  The REMOTE and LOCAL commands.  REMOTE command  REMOTE command  - Except for RC and MAIN, all user commands are available in this  None of the remote control and main unit panel buttons except for POWER can be used.  Control is switched to this mode by the REMOTE command.  The PC and projector is performed by the projector responding bysending a response to the PC.					
Mode	Signal ground SG	iector, none of the signal lines except for the three lines of SD, RD and SG are used!  irry, loop back its own signals at the PC side.  itrol modes, the local mode and remote mode.  used in REMOTE mode.  The REMOTE and LOCAL commands.  REMOTE command  - Except for RC and MAIN, all user commands are available in this  None of the remote control and main unit panel buttons except for POWER can be used.  Control is switched to this mode by the REMOTE command.  The PC and projector is performed by the projector responding bysending a response to the PC.  The projector, communication is possible regardless of whether the power is on or off.					
Mode	Signal ground SG	iector, none of the signal lines except for the three lines of SD, RD and SG are used!  ary, loop back its own signals at the PC side.  Introl modes, the local mode and remote mode.  used in REMOTE mode.  The REMOTE and LOCAL commands.  REMOTE command  - Except for RC and MAIN, all user commands are available in this  None of the remote control and main unit panel buttons except for POWER can be used.  Control is switched to this mode by the REMOTE command.  The PC and projector is performed by the projector responding bysending a response to the PC.  The Projector  The Projector  The Projector  The Projector  The Projector					
Mode	Signal ground SG	iector, none of the signal lines except for the three lines of SD, RD and SG are used!  ary, loop back its own signals at the PC side.  Introl modes, the local mode and remote mode.  used in REMOTE mode.  The REMOTE and LOCAL commands.  REMOTE command  - Except for RC and MAIN, all user commands are available in this  None of the remote control and main unit panel buttons except for POWER can be used.  Control is switched to this mode by the REMOTE command.  The PC and projector is performed by the projector responding bysending a response to the PC.  The Projector  The Projector  The Projector  The Projector  The Projector					
Mode	Signal ground SG	iector, none of the signal lines except for the three lines of SD, RD and SG are used!  ary, loop back its own signals at the PC side.  Introl modes, the local mode and remote mode.  used in REMOTE mode.  The REMOTE and LOCAL commands.  REMOTE command  - Except for RC and MAIN, all user commands are available in this  None of the remote control and main unit panel buttons except for POWER can be used.  Control is switched to this mode by the REMOTE command.  The PC and projector is performed by the projector responding bysending a response to the PC.  The Projector  The Projector  The Projector  The Projector  The Projector					
Mode	Signal ground SG	iector, none of the signal lines except for the three lines of SD, RD and SG are used!  irrol modes, the local mode and remote mode.  used in REMOTE mode.  The REMOTE and LOCAL commands.  REMOTE command    Except for RC and MAIN, all user commands are available in this   None of the remote control and main unit panel buttons except for POWER can be used.   Control is switched to this mode by the REMOTE command.    Command					

Transmission format	△ <command character<="" th=""/> <th>r strings&gt; Δ<delimiters></delimiters></th> <th></th>	r strings> Δ <delimiters></delimiters>	
	<command characte<="" th=""/> <th>er Character strings consisting of 0 or more alphanumeric</th> <th></th>	er Character strings consisting of 0 or more alphanumeric	
	strings>	characters	Command List
	<delimiters></delimiters>	One of CR (0Dh), LF (0Ah), CR+LF (0Dh+0Ah), Null (00h)	
Type	Туре	Description	Response
Null		Commands with a command character string length of 0. No command	■ ок
		processing is performed.	
	Null Commands		☐ BUSY
	Character string	<null character="" command="" string="">:= <character length<="" p="" string="" with=""></character></null>	■ WARN
	onaractor caming	<u>0&gt;</u>	■ ERR
			☐ GET
			☐ RANGE
Control		Projector control command. The format is shown below.	■ OK
			■ BUSY
	Control command	<control character="" command="" string="">:= <control< td=""><td>■ WARN</td></control<></control>	■ WARN
	Character string	name>□ <parameter value=""></parameter>	■ ERR
			☐ GET
			☐ RANGE
Setting		Command that sets values for each parameter. The format is shown below.	■ OK
			■ BUSY
	Setting command	<setting character="" command="" strings="">:= <parameter< p=""></parameter<></setting>	■ WARN
	Character string	name>∆=∆ <parameter value=""></parameter>	■ ERR
		For the definition of <parameter value="">, refer to "Parameter definitions."</parameter>	☐ GET
			☐ RANGE
Reference		Requests current value of each parameter. The format is shown below.	□ ок
			■ BUSY
		<reference character="" command="" string="">:=? △<parameter name="">  </parameter></reference>	■ WARN
		GET□ <parameter name=""></parameter>	■ ERR
		<u></u>	■ GET
	Reference		☐ RANGE
	command	Requests range which can be set for each parameter. The format is shown	□ ок
	Character string	below.	
	<b>1</b>		■ BUSY
	1	<range character="" command="" request="" string="">:=</range>	■ WARN
	1	RANGE Parameter name	■ ERR
	1	10 110 - E AMAINOVA HAINO	☐ GET
	1		■ RANGE

response executed. <a href="mailto:switch: square;">Switch: square;</a> ERR  ERR  ERR  Fesponse  An error message is output. <a href="mailto:switch: square;">Setting view: square;</a> Error response character string>:= e: <a href="mailto:switch: square;">Error message&gt;</a> * <a href="mailto:switch: square;">* (Error response character string&gt;:= e:<a href="mailto:switch:switch: square;">Error message&gt;</a>  * <a "="" href="mailto:switch:switc&lt;/th&gt;&lt;th&gt;format&lt;/th&gt;&lt;th&gt;Kesponse cr&lt;/th&gt;&lt;th&gt;iaracter string&lt;/th&gt;&lt;th&gt;g&gt; &lt;Delimiter&gt;&lt;/th&gt;&lt;th&gt;&lt;/th&gt;&lt;th&gt;&lt;/th&gt;&lt;/tr&gt;&lt;tr&gt;&lt;th&gt;  State response&lt;/th&gt;&lt;th&gt;&lt;/th&gt;&lt;th&gt;&lt;/th&gt;&lt;th&gt;&lt;/th&gt;&lt;th&gt;The first two character&lt;/th&gt;&lt;th&gt;s are always &lt;one lowercase&lt;/th&gt;&lt;th&gt;&lt;/th&gt;&lt;/tr&gt;&lt;tr&gt;&lt;td&gt;  State response&lt;/td&gt;&lt;th&gt;&lt;/th&gt;&lt;td&gt;&lt;/td&gt;&lt;td&gt;&lt;/td&gt;&lt;td&gt;Response type&lt;/td&gt;&lt;td&gt;Meaning&lt;/td&gt;&lt;td&gt;Example&lt;/td&gt;&lt;/tr&gt;&lt;tr&gt;&lt;th&gt;  e   Error   e:000E INVALID:     g   Reference command response   g-XVCI=10     r   Range request command response   g-XVCI=10     r   Range request command response   f-VKS=N50, 50     Type&lt;/th&gt;&lt;th&gt;&lt;/th&gt;&lt;th&gt;&lt;/th&gt;&lt;th&gt;&lt;/th&gt;&lt;th&gt;&lt;/th&gt;&lt;th&gt;&lt;/th&gt;&lt;th&gt;i:OK i:BUSY etc.&lt;/th&gt;&lt;/tr&gt;&lt;tr&gt;&lt;td&gt;  Gelimiters   Delimiters   Delimiters   Delimiters   Delimiters   Delimiters   Delimiters   Delimiters   Delimiters   Description    &lt;/td&gt;&lt;th&gt;&lt;/th&gt;&lt;td&gt;&lt;/td&gt;&lt;td&gt;&lt;/td&gt;&lt;td&gt; &lt;/td&gt;&lt;td&gt;&lt;/td&gt;&lt;td&gt;&lt;/td&gt;&lt;/tr&gt;&lt;tr&gt;&lt;th&gt;Type OK OK OK OK OK After processing of each command is completed, a response is sent indicating that the next common can be received.  OK response character string&gt;:=i:OK  BUSY BUSY OK OK response character string&gt;:=i:OK  BUSY This response is sent when a command cannot be received during processing.  Warn response Wait for a few moments, and then try sending the command again.  SBUSY response character string&gt;:=i:BUSY  Example: &gt; IMAGE=2&lt;/th&gt;&lt;th&gt;&lt;/th&gt;&lt;th&gt;&lt;/th&gt;&lt;th&gt;&lt;/th&gt;&lt;th&gt;   &lt;/th&gt;&lt;th&gt;&lt;/th&gt;&lt;th&gt;&lt;/th&gt;&lt;/tr&gt;&lt;tr&gt;&lt;th&gt;Type OK After processing of each command is completed, a response is sent indicating that the next comm response can be received.  BUSY BUSY This response is sent when a command cannot be received during processing. Wait for a few moments, and then try sending the command again.    Susy response character string&gt;:=i:BUSY    &lt;/th&gt;&lt;th&gt;&lt;/th&gt;&lt;th&gt;&lt;/th&gt;&lt;th&gt;&lt;/th&gt;&lt;th&gt;&lt;u&gt;g&lt;/u&gt;&lt;/th&gt;&lt;th&gt;&lt;/th&gt;&lt;th&gt;&lt;/th&gt;&lt;/tr&gt;&lt;tr&gt;&lt;td&gt;After processing of each command is completed, a response is sent indicating that the next comm response can be received.  **OK response character string&gt;:=i:OK  BUSY  BUSY  This response is sent when a command cannot be received during processing.  **Walt for a few moments, and then try sending the command again.  **BUSY response character string&gt;:=i:BUSY  Example: &gt; IMAGE=2&lt;/td&gt;&lt;th&gt;&lt;/th&gt;&lt;td&gt;&lt;D6&lt;/td&gt;&lt;td&gt;elimiters&gt;&lt;/td&gt;&lt;td&gt;Delimiters for comman&lt;/td&gt;&lt;td&gt;ds sent from PC&lt;/td&gt;&lt;td&gt;&lt;/td&gt;&lt;/tr&gt;&lt;tr&gt;&lt;td&gt;After processing of each command is completed, a response is sent indicating that the next comm can be received.  **OK response character string&gt;:=i:OK  BUSY  BUSY This response is sent when a command cannot be received during processing.  **Warn Wait for a few moments, and then try sending the command again.  **BUSY response character string&gt;:=i:BUSY  Example: &gt; IMAGE=2&lt;/td&gt;&lt;th&gt;Type&lt;/th&gt;&lt;td&gt;Type&lt;/td&gt;&lt;td&gt;&lt;/td&gt;&lt;td&gt;&lt;/td&gt;&lt;td&gt;Description&lt;/td&gt;&lt;td&gt;&lt;/td&gt;&lt;/tr&gt;&lt;tr&gt;&lt;td&gt;BUSY BUSY BUSY response  This response is sent when a command cannot be received during processing.  **BUSY response is sent when a command cannot be received during processing.  **BUSY response is sent when the try sending the command again.  **SBUSY response character string&gt;:=i:BUSY  Example: &gt; IMAGE=2&lt;/td&gt;&lt;th&gt;&lt;/th&gt;&lt;td&gt;&lt;/td&gt;&lt;td&gt;After processi&lt;/td&gt;&lt;td&gt;sing of each command is&lt;/td&gt;&lt;td&gt;•&lt;/td&gt;&lt;td&gt;t indicating that the next command&lt;/td&gt;&lt;/tr&gt;&lt;tr&gt;&lt;td&gt;response Wait for a few moments, and then try sending the command again.  &lt;a href=" mailto:subsy=""> <a href="mailto:subsy/"> <a href="mailto:subsy/&lt;/td&gt;&lt;th&gt;&lt;/th&gt;&lt;td&gt;response&lt;/td&gt;&lt;td&gt;can be receive&lt;/td&gt;&lt;td&gt;/ed.&lt;/td&gt;&lt;td&gt;&lt;/td&gt;&lt;td&gt;ū&lt;/td&gt;&lt;/tr&gt;&lt;tr&gt;&lt;td&gt;WARN response is sent when warning information is issued. Note that this command cannot be executed.  WARN response is sent when warning information is issued. Note that this command cannot be executed.  Warning response character string&gt;:= w:&lt;Warning description&gt;  ERR&lt;/td&gt;&lt;th&gt;BUSY&lt;/th&gt;&lt;td&gt;&lt;/td&gt;&lt;td&gt;-&lt;/td&gt;&lt;td&gt;&lt;/td&gt;&lt;td&gt;_&lt;/td&gt;&lt;td&gt;processing.&lt;/td&gt;&lt;/tr&gt;&lt;tr&gt;&lt;td&gt;WARN response  WARN response  WARN response  WARN response  Warning response character string&gt;:= w:&lt;Warning description&gt;  Example: &gt; IMAGE=2&lt;/td&gt;&lt;th&gt;&lt;/th&gt;&lt;td&gt;&lt;/td&gt;&lt;td&gt;&lt;BUSY re&lt;/td&gt;&lt;td&gt;esponse character strin&lt;/td&gt;&lt;td&gt;g&gt;:=i:BUSY&lt;/td&gt;&lt;td&gt;&lt;/td&gt;&lt;/tr&gt;&lt;tr&gt;&lt;td&gt;response   executed.  &lt;/td&gt;&lt;th&gt;&lt;/th&gt;&lt;td&gt;&lt;/td&gt;&lt;td&gt;&lt;/td&gt;&lt;td&gt;&lt;/td&gt;&lt;td&gt;&lt;/td&gt;&lt;td&gt;&lt;/td&gt;&lt;/tr&gt;&lt;tr&gt;&lt;td&gt;response executed.  &lt;a href=" mailto:square;"=""><a href="mailto:square;"><a href="mailto:square;">square;<a href="mailto:square;"><th>WARN</th><td colspan="7">WARN This response is sent when warning information is issued. Note that this command cannot be</td></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a>	WARN	WARN This response is sent when warning information is issued. Note that this command cannot be						
ERR response  ERR response  An error message is output.  Substituting the service of the servic		response	executed.	_				
response    Serror response character string>:= e: <error code="">□<error message="">   X</error></error>					VERSION_IS_UPDATED			
Serror response character string>:= e:   Serror code>   Serror code>   Serror message>   Serror code>	ERR		An error mess	sage is output.				
# <error code=""> is expressed as a four-digit hexadecimal number.  # Refer to "Error List"!    Example: &gt; abcdefg</error>		response	<b>45,000,000</b>	anana aharaatar atrin.	·>:= a:/E:::a aada>[7/E:::a			
GET  GET response  GET response for each parameter.  SEXAMPLE: SET LANG or ? LANG SEXAMPLE: SEXAMPLE				or code> is expressed as				
RANGE  RA					IMAND			
CRANGE   Section	GET		Request response	oonse for each parameter.				
RANGE RANGE response    RANGE response   Canada		response	<get res<="" td=""><td>sponse character string</td><td>&gt;:=g<parameter name="">=<v< td=""><td>/alue&gt;</td></v<></parameter></td></get>	sponse character string	>:=g <parameter name="">=<v< td=""><td>/alue&gt;</td></v<></parameter>	/alue>		
response <a href="mailto:response"><a href="mailto:Range response character string"><a href="mailto:response"><a href="mailto:response"><a href="mailto:Range response character string"><a href="mailto:response"><a href="mailto:response"></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a>								

Other Transmissio

Transmission is recognized when delimiter is received.

Even if a maximum transmission length is received, the entire received transmission will be lost unless a delimiter is received.

Parameter value Definition

The <Parameter value> is defined as shown below.

<ID>

<Character string>

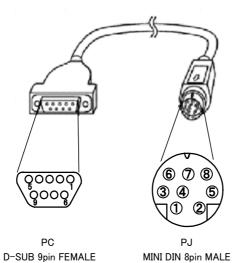
<Parameter value>:=<Value 1>∇<Value 2> ∇.. ∇ <Value n>
<Value>:=<Numerical value> | <ID> | "<Character string>"

<Numerical value> := [<Sign>] <Decimal character string (Min. 1 character to Max. 5 characters)>

The range of valid values is -32768 to 32767. := 1 or more ASCII characters (20h to 7Fh) := 0 or more ASCII characters (20h to 7Fh)

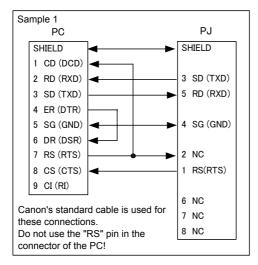
Cable

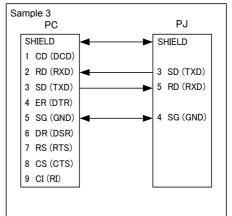
The connection diagram (example) for the cable connecting the PC and projector is shown below.



Sample 2 PC ΡJ SHIELD SHIELD 1 CD (DCD) 2 RD (RXD) 3 SD (TXD) 3 SD (TXD) 5 RD (RXD) 4 ER (DTR) 5 SG (GND) 4 SG (GND) 6 DR (DSR) 7 RS (RTS) 8 CS (CTS) 9 CI (RI)

Example of self-loopback connections when the "CS" and "DR" pins are used in the connector of the PC.





Example of minimally required connections.

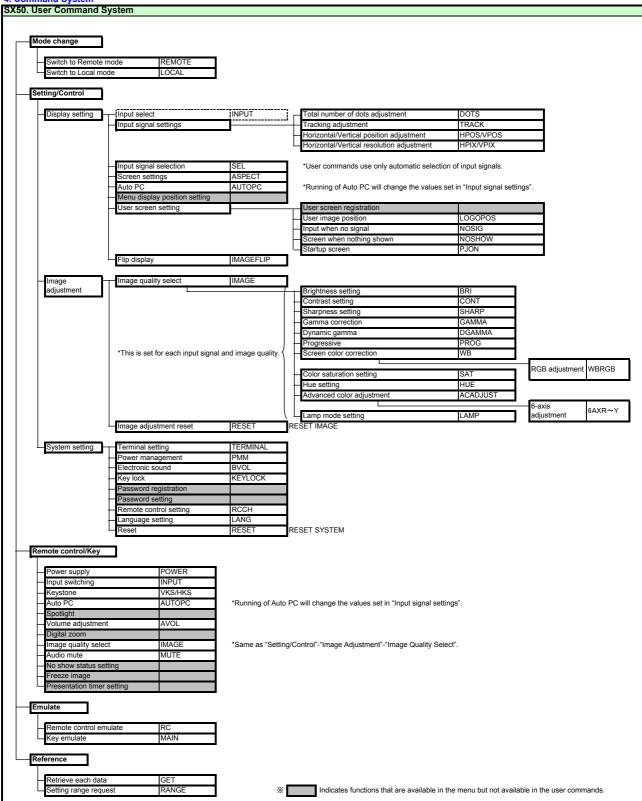
User Command Specifications 3. Communication Flow

# 3. Communication Flow

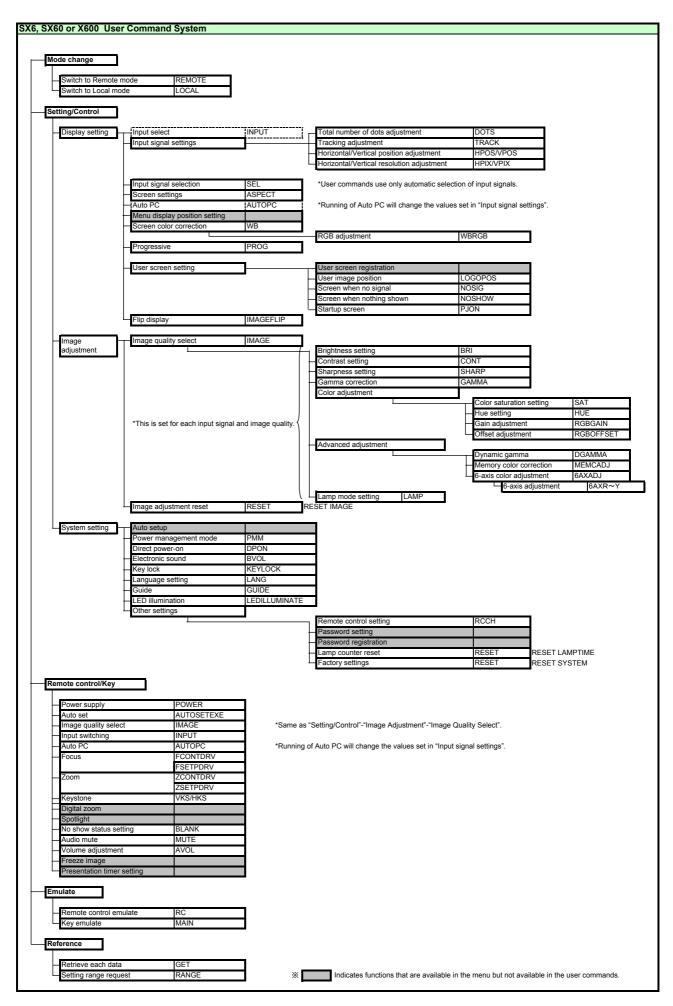
Transmission sent	At the sending side (PC), the transmission is sent within character intervals of Tc (character interval timeout).						
Transmission received	At the receiving side (Projector), data able to be received within the character interval of Tc is held, and receiving of a delimiter is considered "transmission received".  If a received character interval exceeds Tc or a delimiter is not received within 256 characters, all data already received is lost, and the mode is reset to receive standby again.						
Command/ Response	One response is always returned for each command sent from the PC.  (However, note that a response may not be returned when the internal receive buffer overflows due to reception of a large amount of data.)  PC  Projector  Commands  *The timeout interval between command and response (Tr) is 10 seconds.						
Response reception timeout	If a response is not received within Tr (timeout interval between command and response) while in response reception standby after sending a command at the PC, resend the command in the "response reception timeout".						

User Command Specifications 4. Command System SX50

# 4. Command System



User Command Specifications SX6 / SX60 / X600



User Command Specifications 5. Control Mode

### 5. Control Mode

The table below shows the states and limitations of the LOCAL and REMOTE control modes.

Mode		LOCAL mode	REMOTE mode		
Item					
Description		Mode where projector control/operation is performed by the main unit or remote control. Initial mode when microcomputer is started.	Mode where projector control/operation is performed by a PC or other external device.  (The PC or other external device is connected to a serial cable.)		
LED	Status ALM	State indicator ALM state indicator	Constant remote indicator ※2		
Transit	ion method	ALM state indicator AC power supply to projector Manual power on/off LOCAL command Power management standby/exit mode transl	ALM state indicator -REMOTE command		
	Main unit keys	All available	Only POWER button is available		
Operation buttons			Only POWER button is available		
	Emulation	Available %1	Not available		
Power management andby and exit modes	Switching	5 minutes elapsed from no signal	Operation is as follows depending on the model    Model		
**3	Return	Signal input Remote control button pressed Main unit button pressed Emulation	•REMOTE command		
Commar	ids supported	For the SX50  Command/parameter Remarks  REMOTE  LOCAL  GET MODE  MAIN  RC  For the SX6, SX60 or X600  Command/parameter Remarks  GET COMVER  GET ERROR  GET ERROR  GET INPUT  GET LAMPCOUNTER  GET MODE  GET MODE  GET MODE  GET NOSHOWSTATUS  GET POWER  GET POWER  GET POWER  GET ROMVER  GET SIGNALSTATUS  LOCAL  MAIN  RC  REMOTE	All commands except for "RC" and "MAIN"		

- \*1 However, switching to the USB mouse function or Special mode is not allowed.
- \*2 If the control mode is REMOTE, the following are displayed regardless of whether the power is on or off.
- \*3 When the power management setting is "standby" or "exit"

LED indicator pattern during REMOTE mode



User Command Specifications 6. Key/Emulation function

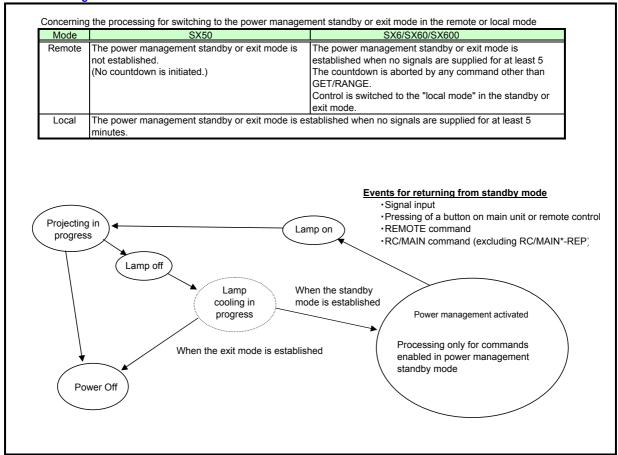
# 6. Key/Emulation function

The table below shows how the main unit/remote control keys and emulation function operate in each control mode

	LOCAL mode			REMOTE mode			
Key/Emulation	Unlock	Remote control lock	Main unit key lock	Unlock	Remote control lock	Main unit key lock	
Remote control	0	×	0	POWER only	×	POWER only	
Main unit keys	0	0	×	POWER only	POWER only	×	
Remote control emulation	0	0	0	×	×	×	
Main unit key emulation	0	0	0	×	×	×	

User Command Specifications 7. Power Management Mode

# 7. Power Management Mode



User Command Specifications 8. Command List

# 8. Command List

0. 00	Command List  Commands Command type  Command type						
Item	Commands		Description	Mode	Control	Setting	Reference
1	REMOTE	Switchi	ng to Remote mode		Control	Octung	TREICIEICE
	LOCAL		ng to Remote mode	0		<del>                                     </del>	+
	POWER		supply control	0	0		+
	AUTOSETEXE		tup execution		0		
	BLANK		function			0	-
	INPUT		rminal select			0	-
	AUTOPC		C execution		0		-
	DOTS	7 (010 )	Total number of dots adjustment			0	+
9	TRACK		Tracking adjustment			0	-
	HPOS	Input	Horizontal position adjustment			0	-
	VPOS	signal	Vertical position adjustment			0	-
	HPIX	settings	Horizontal resolution adjustment			0	
	VPIX		Vertical resolution adjustment			Ö	+
	SEL	Innut si	gnal selection			0	<u> </u>
	ASPECT		settings			Ö	
	IMAGE	Image i	ŭ			Ö	1
	BRI		ess setting			Ö	1
	CONT		st setting			Ö	
	SHARP		ess setting			0	
	GAMMA		a correction			0	+
	DGAMMA		c gamma			0	
	PROG	Progres	-			0	
	WB		color correction			0	
	WBRGB		color correction (RGB adjustment)			0	
	SAT		aturation setting			0	
	HUE	Hue se	ű			Ö	1
	RGBGAIN		ain adjustment			Ö	
	RGBOFFSET		fset adjustment			Ö	1
	ACADJUST		ed color adjustment			Ö	1
	ACADJUST		y color correction			Ö	1
	6AXADJ		adjustment ON/OFF			Ö	1
	6AXR		R setting			Ö	1
	6AXG		G setting			Ö	1
	6AXB	6-axis	B setting			Ö	1
	6AXC	color	C setting			Ö	1
	6AXM	adjust	M setting			Ö	1
	6AXY	1	Y setting			Ö	1
	LAMP	Lamp n	node setting			Ö	
	RESET	Reset			0		
	VKS		oid adjustment (vertical keystone)			0	1
	HKS	•	oid adjustment (horizontal keystone)			Ö	1
	AVOL		adjustment			Ō	1
	MUTE	Mute	•			Ö	+
	BVOL		ound setting			Ö	1
	IMAGEFLIP		play control			Ö	<b>†</b>
	PMM		management			Ö	
	PJON		screen at startup setting			ō	†
	NOSIG		screen when no signal setting			Ö	†
	NOSHOW	. ,	screen setting when nothing shown			Ö	1
	LOGOPOS	. ,	age position setting			Ö	†
	LANG		ge selection			Ö	1
	TERMINAL		al setting			Ö	1
	KEYLOCK		k setting			Ö	†
	RCCH		e control setting			Ö	1
	GUIDE	Guide	Ü			Ö	1
	DPON		ower-on setting			Ö	+
	LEDILLUMINATE		al LED and signal sensing LED lighting control			Ö	1
	ZSTEPDRV		ens step drive control			Ö	+
	ZCONTDRV		ens continuous drive control			0	+
	FSTEPDRV		ens step drive control			Ö	<del>                                     </del>
	FCONTDRV		ens continuous drive control			Ö	†
	RC		e control operation emulation		0		1
	MAIN		anel button operation emulation		Ö	<u> </u>	<del>                                     </del>
64	GET	Retriev					0
65	RANGE		range request				Ö

User Command Specifications 9. Details of command

### 9. Details of command

Descriptions of each command are provided starting from the next page. The command descriptions have the format shown below. \*Command type Commands \* Alphabetic command name Mode |Control Setting Reference Function \* This briefly describes the command function. Format \* This indicates the command format. \* This explains the required parameters for the command. Parameter Parameter types Response \* This describes the command response. Description \* This includes the command function, conditions, and notes. This provides command usage examples. Example Command SX50 SX6 SX60 X600 supported 01.\*\*\*\* 11.\*\*\*\* 11.\*\*\*\* 11.\*\*\*\* 0 0 0 0 \* Indicated here are the commands supported by each model (and user command version). "O": supported; "x": not supported. \* This defines the environments that support the command (power supply state, input signal Supported Command States state, control mode). Power Input Remarks OFF ON PM D-RGB A-RGB1 A-RGB2 Comp | Video S-Video D-Video SCART None Remote Local The command is enabled in control modes marked The command is enabled in states marked by "O". by "O". "O" when the power supply state is enabled while power management is in standby. Input signal is required when "×". "O" when power supply state is ON. "O" when power supply state is OFF.

User Command Specifications (SET command)

User Command Specifications (GET command)

User Command Specifications (RANGE command)

User Command Specifications 9. Details of command REMOTE

Function Switch to Remote mode  Format REMOTE  Parameter None  Response "i:OK" is returned when it was possible to switch the mode properly. For all other responses, refer to "Error List."  escription This switches to Remote mode.  -1 During Remote mode, all buttons are disabled except for the front panel and remote control POWER button2 This command can be used in any projector mode. However, zoom or focus lens drive stops if the zoom or focus lens is being driven. (Refer to the ZCONTDRV command and FCONTDRV command.) -3 If, in the power management standby status, the "REMOTE" command was received and operation was switched to the remote mode, the "power-on" (lamp lighted) status is established unconditionally4 With the SX50, the setting, control and reference commands except for RC and MAIN can be used only in the remote mode.
Format  REMOTE  Parameter None  "i:OK" is returned when it was possible to switch the mode properly. For all other responses, refer to "Error List."  escription  This switches to Remote mode.  -1 During Remote mode, all buttons are disabled except for the front panel and remote control POWER button2 This command can be used in any projector mode. However, zoom or focus lens drive stops if the zoom or focus lens is being driven. (Refer to the ZCONTDRV command and FCONTDRV command.) -3 If, in the power management standby status, the "REMOTE" command was received and operation was switched to the remote mode, the "power-on" (lamp lighted) status is established unconditionally4 With the SX50, the setting, control and reference commands except for RC and MAIN can be used only in the remote mode.
Parameter None  Response "i:OK" is returned when it was possible to switch the mode properly. For all other responses, refer to "Error List."  escription  This switches to Remote mode.  -1 During Remote mode, all buttons are disabled except for the front panel and remote control POWER button2 This command can be used in any projector mode. However, zoom or focus lens drive stops if the zoom or focus lens is being driven. (Refer to the ZCONTDRV command and FCONTDRV command.) -3 If, in the power management standby status, the "REMOTE" command was received and operation was switched to the remote mode, the "power-on" (lamp lighted) status is established unconditionally4 With the SX50, the setting, control and reference commands except for RC and MAIN can be used only in the remote mode.
Response  "i:OK" is returned when it was possible to switch the mode properly. For all other responses, refer to "Error List."  escription  This switches to Remote mode.  -1 During Remote mode, all buttons are disabled except for the front panel and remote control POWER button2 This command can be used in any projector mode. However, zoom or focus lens drive stops if the zoom or focus lens is being driven. (Refer to the ZCONTDRV command and FCONTDRV command.) -3 If, in the power management standby status, the "REMOTE" command was received and operation was switched to the remote mode, the "power-on" (lamp lighted) status is established unconditionally.  -4 With the SX50, the setting, control and reference commands except for RC and MAIN can be used only in the remote mode.
For all other responses, refer to "Error List."  -1 During Remote mode, all buttons are disabled except for the front panel and remote control POWER button2 This command can be used in any projector mode. However, zoom or focus lens drive stops if the zoom or focus lens is being driven. (Refer to the ZCONTDRV command and FCONTDRV command.) -3 If, in the power management standby status, the "REMOTE" command was received and operation was switched to the remote mode, the "power-on" (lamp lighted) status is established unconditionally4 With the SX50, the setting, control and reference commands except for RC and MAIN can be used only in the remote mode.
-1 During Remote mode, all buttons are disabled except for the front panel and remote control POWER button2 This command can be used in any projector mode. However, zoom or focus lens drive stops if the zoom or focus lens is being driven. (Refer to the ZCONTDRV command and FCONTDRV command.) -3 If, in the power management standby status, the "REMOTE" command was received and operation was switched to the remote mode, the "power-on" (lamp lighted) status is established unconditionally4 With the SX50, the setting, control and reference commands except for RC and MAIN can be used only in the remote mode.
(RC and MAIN can be used only in the "local mode.") With the SX6, SX60 and X600, there are several setting, control and reference commands which can be used in the local mode. (Refer to the LOCAL command.)  -5 When this command is executed, all the statuses and settings listed below are cleared.  Digital zoom Presentation timer display Spotlight display Screen temporary off (NoShow) Freeze image (Freeze) Command now being executed (except during "user image registration" Focusing, zooming underway (with the SX6, SX60 and X600)  -6 "Guide display" is not cleared by the transfer of operation to the remote mode. If necessary, clear the display using the GUIDE command.  -7 The current mode can be referenced using the applicable GET command.  Example  Mode switching REMOTE  i:OK
> GET MODE or < g:MODE=LOCAL  * Commands are indicated by ">", and responses are indicated by "<".
Commands
supported 01.00** 01.01** 01.01**

Mo	odel	F	owe	er					Input					Mo	de	Remarks
		OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	Remarks
S	X50	0	0	0	0	0	0	0	0	0	-	_	0	0	0	
S	6X8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
S	X60															
X	600															

User Command Specifications 9. Details of command LOCAL

Commands	LOCA	L					M	1ode	Control	Setting	Reference		
Function	Switch to L	ocal mode											
Format	LOCAL	-											
Parameter	None												
B	III: OLCII i		14	9-1- 4 24-1			and a						
Response		turned when r responses			n the mo	oae prop	periy.						
	roi all otile	responses	, relei to En	IOI LIST.									
Description	This switch	es to Local r	node										
Docompaion	Tillo owitori	00 10 200011	nodo.										
	-1 The fol	lowing comn	nands can be	e used while	e the loc	al mode	is esta	blish	ed.				
		9							<b>.</b>				
		Commond	Ingramator		ors suppo								
	Command/parameter												
	01.00*   01.01*   0												
		T COMVER		×	Ö	Ö	Ö	1					
		TERR		×	Ö	Ö	Ö	1					
		T FREEZE		×	Ö	Ö	Ö	1					
	GE	T INPUT		×	Ö	Ö	0	1					
	GE	T LAMPCOU	JNTER	×	0	0	0						
		T MUTE		×	0	0	0						
	GE	T NOSHOW	STATUS	×	0	0	0						
		T POWER		×	0	0	0						
		T PRODCO		×	0	0	0						
		T ROMVER		×	0	0	0	4					
		T SIGNALS	TATUS	×	0	0	0	4					
	MA RC			0	0	0	0	4					
	RC			U	0	U	U	_					
	2 This co	mmand can	he used in a	any projecto	r mode								
		er, zoom or f				m or foc	ııs lens	is he	ina drive	n			
		to the ZCON							ing anve				
		rrent mode o							nd.				
		LANK status											
Example	Mode switch	-											
	> LOCAL	=											
	< i:OK												
	NA - d - v d - v												
	Mode viev	ving ODE or ?M0	אחר										
		E=LOCAL	DDE										
	→ g.lviOD	L-LOUAL											
	* Commands	are indicated	by ">", and re	esponses are	indicated	l bv "<"							
Commands		SX6	SX60	X600		-, .			I				
supported		01.01**	01.01**	01.01**									
	0	0	0	0	İ								

очрро.	Cupperiod Command Clares														
Model	F	Powe	er					Input					Mo	de	Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	Remarks
SX50	0	0	0	0	0	0	0	0	0	-	-	0	0	0	
SX6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
SX60															
X600															

User Command Specifications 9. Details of command POWER

Commands	POWER Mode Control Setting Reference											
Function	This controls the power supply											
Format	POWER□ <parameter:id></parameter:id>											
Parameter	Parameter Meaning ON Power ON OFF Power OFF  The parameters which can be controlled at any given point in time can be obtained using the RANGE command.  For details, refer to the RANGE command.											
Response	"i:OK" is returned if the parameter was set properly. For all other responses, refer to "Error List."											
Description	This performs ON/OFF control of the power supply.  -1 This command is identical to pressing the POWER button on the remote control or main unit2 Provided that the <b>remote mode</b> is established, the command can be executed in any projector status.  However, zoom or focus lens drive stops if the zoom or focus lens is being driven. (Refer to the ZCONTDRV command and FCONTDRV command.)  -3 After sending this command, use GET POWER to obtain the power supply state at regular intervals, and check that it is in the controlled state (off or on).  -4 The table below shows the POWER command responses according to the power supply state.  POWER Command Responses by Power Supply State  POWER Commands POWER ON POWER OFF  Off Off-> lighted O O O  Lighted -> off A O  Lighted -> off A O  Lighted -> standby O O O  In standby O W O O O  In standby O W O O O  Standby -> lighted O O O O O O O O O O O O O O O O O O O											
Example												
Commands supported	SX50											

Model	F	Powe	r					Input					Мо	de	Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	Remarks
SX50	0	0	0	0	0	0	0	0	0	-	_	0	0	×	
SX6 SX60	0	0	0	0	0	0	0	0	0	0	0	0	0	×	
X600															

<sup>\* &</sup>quot;i:BUSY" may be returned if the power status is being switched.

User Command Specifications 9.Details of command AUTOSETEXE

Commands	AUTO:	SETEX	(E							Mode	Contro	Sett	ing F	Reference
Function	Auto setup													
Format	AUTOS	ETEXE 🗆 < A	uto set para	meter	:ID>									
Parameter	Auto set par	rameters												
	Parame	eter Meaning	g											
	FOCL	JS Auto fo	cusing											
	VKS	Auto ke	ystone (vert	ical) ex	ecutio	n								
	SCRI	N Automa	tic screen co	olor co	rrectio	n								
		executi											ļ	ID
	INPU	T Automa	tic signal ser	nsing e	xecutio	on								
	RANGE com For details, i	mand. refer to the	RANGE co	mmar	nd.						using th	е		
Response					_						of the	auto s	etup.	
	Type	Error re	sponse											
	FOCUS	e:F002	SYSTEM (FC	CUS)										
	VKS	e:F004	SYSTEM (AL	JTO_KE	YSTO	NE)								
	SCRN	e:F005	SYSTEM (SC	CREEN	COLO	R)								
	For all other	responses,	refer to "Err	or List	."									
Description	This comma	nd is used to	execute aut	to setu	ın									
	time. Howeve (Ref. (2) There a	r, a "busy" r er to the ZC re no parame	Ining of focusing of keystone (vertical) execution omatic screen color correction cution omatic signal sensing execution omatic signal sensing execution omatic signal sensing execution of the can be controlled at any given point in time can be obtained using the other RANGE command.  The hen the automatic processing was completed successfully. The responses is returned if an error has been detected at any part of the auto setup. The response is returned if an error has been detected at any part of the auto setup. The response is given while the zoom or focus lens is being driven. The response is given while the zoom or focus lens is being driven. The response is given while the zoom or focus lens is being driven. The response is given while the zoom or focus lens is being driven. The response is given while the zoom or focus lens is being driven. The response is given while the zoom or focus lens is being driven. The response is given while the zoom or focus lens is being driven. The response is given while the zoom or focus lens is being driven. The response is given while the zoom or focus lens is being driven. The response is given while the zoom or focus lens is being driven. The response is given while the zoom or focus lens is being driven. The response is given while the zoom or focus lens is being driven. The response is given while the zoom or focus lens is being driven. The response is given while the zoom or focus lens is being driven. The response is given while the zoom or focus lens is being driven. The response is given while the zoom or focus lens is being driven. The response is given while the zoom or focus lens is being driven. The response is given while the zoom or focus lens is being driven. The response is given while the zoom or focus lens is being driven. The response is given while the zoom or focus lens is being driven. The response is given while the zoom or focus lens is being driven. The response is given while the zoom or focus lens is being driven. The response is given while the											
	Тур	<b>A</b>			setup		Remark	s						
	FOO								BLANK					
	VKS					_	D ( .		DI ANII					
	SCF								BLANK					
	INP	III I				ed								
					n (SCR	N) ha	is been	com	oleted si	uccessfu	illy, the	screer	ı colo	or
Example		SETEXE FO	CUS			Auto	focusir	ng is	execute	d.				
	< I:OK													
	> RANG	E AUTOSET	EXE		N, INPL	JT								
	VKS   e:F004 SYSTEM (AUTO KEYSTONE)													
Commondo			1	vertical) execution In color correction Isensing execution Introlled at any given point in time can be obtained using the command.  Introlled at any given point in time can be obtained using the command.  Introlled at any given point in time can be obtained using the command.  Introlled at any given point in time can be obtained using the command.  Introlled at any given point in time can be obtained using the command.  Introlled at any given point in time can be obtained using the command.  Introlled at any given point in time can be obtained using the command.  Introlled at any given point in time can be obtained using the command.  Introlled at any given point in time can be obtained using the command.  Introlled at any given point in time can be obtained using the command.  Introlled at any given point in time can be obtained using the command.  Introlled at any given point in time can be obtained using the command.  Introlled at any given point in time can be obtained using the command.  Introlled at any given point in time can be obtained using the command.  Introlled at any given point in time can be obtained using the command.  Introlled at any given point in time can be obtained using the command.  Introlled at any given point in time can be obtained using the command.  Introlled at any given point in time can be obtained using the command.  Introlled at any given point in time can be obtained using the command.  Introlled at any given point in time can be obtained using the command.  Introlled at any given point in time can be obtained using the command.  Introlled at any given point in time can be obtained using the command.  Introlled at any given point in time can be obtained using the command.  Introlled at any given point in time can be obtained using the command.  Introlled at any given point in time can be obtained using the command.  Introlled at any given point in time can be obtained using the command.  Introlled at any given point in the command.  Introlled at any given point in the command										
		or details, refer to the RANGE command.  i:OK" is returned when the automatic processing was completed successfully.  Interest of the following responses is returned if an error has been detected at any part of the auto sets.    Type												
										İ				
			_			ΜΜΔΙ	ID" ic ro	turno	Ч					

Model	Pow	er sı	pply					Input					Мо	de	Remarks
	OFF	ON	РМ	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	Remarks
SX50		_						-					-	-	
SX6	×	0	×	0	0	0	0	0	0	0	0	0	0	×	
SX60															
X600															

<sup>\*</sup>When the power supply state is in the process of switching, an "i:BUSY" reply may be sent.

User Command Specifications 9. Details of command BLANK

Commands	BLANK	<u> </u>					Mode	Control	Setting Refere					
Function	BLANK fund													
Format	DI ANK	= <blank pa<="" th=""><th>romotor:ID`</th><th></th><th></th><th></th><th></th><th></th><th></th></blank>	romotor:ID`											
romat	BLANK	-\DLANK pa	rameter.1D/											
Parameter	BLANK para													
	Parame	eter Meaning BLANK												
	OFF								15					
	The parame	ters which ca	n he set at a	anv given n	oint in time car	n he obtained	d using th	ne	ID					
	RANGE com	ımand.			onic in cimo ou	T DO ODCUMO	a doing ti	10						
	For details,	refer to the <b>F</b>	RANGE co	mmand.										
Response		turned if the			erly.				I					
	For all other	or all other responses, refer to "Error List."												
Description	This comma	nis command is used to set the BLANK function.												
	(1) This cor	is command is used to set the BLANK function.  1) This command functions only when the projector is in the "remote mode." It cannot be executed												
	by a me	nu operation	or button op	eration.										
					he zoom or foo and FCO		-							
	(2) Only a b	olack screen	is displayed.											
					displays appea				hilo DI ANK					
	is under	way.	•											
					"AUTOSETEX	E=SCRN" co	ommands	cannot l	be executed.					
		the AUTO ANK function			ving situations.									
					control or par		pressed							
			-		tdown has star remote to loc									
		ver Off	nuo boon ow	iconou ir om	10111010 10 100	ш								
			_		d using the GE	T command.								
	For deta	ails, refer to t	the GET CO	mmand.										
Example	_	O.U.			B									
	> BLANK= < i:OK	=UN			BLANK	is set to ON								
	Reference > GET BL	ANK or ?BLA	ANK		The cur	rent BLANK	status is	referenc	ed.					
	g:BLANI		:= <del>=</del>		341			2.5.0.10	<del></del>					
	Acquisition	of parameters	s which can	he set										
	> RANGE	•	o winon call											
	< r:BLAN	K=I, OFF, ON												
	*Commands a	re indicated by	y ">", and resp	oonses are ir	ndicated by "<".									
Commands		SX6	SX60	X600										
supported	01. 00** ×	01. 01** O	01. 01** O	01. 01**	•			$\dashv$						
	When a comm	and is not sup			OMMAND" is re	turned.	•							

Supported Command States															
Model	Pow	er sı	upply					Input					Мо	de	Remarks
	OFF	ON	РМ	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	Remarks
SX50		_						_					-	-	
SX6	×	0	×	0	0	0	0	0	0	0	0	0	0	×	
SX60															
X600															

<sup>\*</sup>When the power supply state is in the process of switching, an "i:BUSY" reply may be sent.

User Command Specifications 9. Details of command INPUT

Camana anda	INIDILIT	1						Mada	Cambrol	C-#:	Deference				
Commands								Wode	Control	Setting	Reference				
Function	Input selecti	on													
Format	INPUT=	<input sele<="" th=""/> <th>ection para</th> <th>meters:I</th> <th>D&gt;</th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th>	ection para	meters:I	D>										
Parameter	Input selecti	on paramet	ters												
					Erro	re elinno	rted by m	nodel	1						
		ter Meanin	ıg	-	SX50	SX6	SX60	X600							
	D-RG				0	0	0	0							
		31 A-RGB 32 A-RGB			0	0	0	0							
		Compo			0	0	0	0							
	VIDEO				0	0	0	0			ID				
		O S-Video			O ×	0	0	0							
		GB SCART			×	00	0	0							
	The parameters which can be set at any given point in time can be obtained using the RANGE command.														
		RANGE command. For details, refer to the RANGE command.													
Response		OK" is returned if the parameter was set properly.  or all other responses, refer to "Error List."													
	roi all other	For all other responses, refer to "Error List."													
Description	This controls	This controls the input selection.													
	1 It oon be	o overested	whon the pr	oiootor io	in hoth	tho rom	oto mo	<b>do</b> and	nower o	n ototuc	ot the				
		-1 It can be executed when the projector is in both the <b>remote mode</b> and <b>power-on</b> status at the same time.													
			is given whil	e the zoo	m or fo	cus lens	s is bein	g driver	ı.						
	,		ITDRV comr					,	h						
			the same fu	inction as	the bu	ttons lis	ted in th	e table	below.						
		del Button	uter-1]、「 // -	-2 L TVID	FO/ST										
	SX		ator 13t · ··	23( . 410	0,0]										
		60 INPUT													
	X6	00													
	-3 When th	ne model SX	X50 is used,	"A-RGB2	2" and "	COMP"	cannot	be sele	cted if "C	UT" has	s been				
	set usin	g the TERM	IINAL comm	nand. ('e:	1001 T	ERMINA	AL_OUT	' is retu	rned.)						
			X6, SX60 or nd (AUTOSE				can be s	selected	automa	tically us	sing the				
		•	SETEXE cor		NPUI).										
	-5 The curi	rent input ca	an be acquir	ed using	the app	olicable	GET co	mmand.							
	For deta	ils, refer to	the GET co	mmand.											
Example	Setting														
•	> INPUT=	VIDEO			VID	EO inpu	ut select	ion							
	< i:OK														
	Reference														
	> GET IN	PUT or ?INI	PUT		This	s retrive	s the inp	out signa	al						
	< g:INPUT	Γ=A-RGB1													
	Acquisition of	of paramete	ers which car	n be set											
	> RANGE	INPUT													
	< r:INPUT	=I, D-RGB,	A-RGB1, A	-RGB2, C	COMP,	VIDEO,	S-VIDE	O, D-VI	DEO, SO	CARTRO	SB				
	* Commands	are indicated	by ">", and re	esponses	are indic	ated by "	' <b>&lt;"</b> .								
Commands	SX50	SX6	SX60	X600		,									
supported	01.00**	01.01**	01.01**	01.01*	*										
	0	0	0	0			<u> </u>			J					

опрро.			_												
Model		owe						Input					Mo	de	Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	Remarks
SX50	×	0	×	0	0	0	0	0	0	_	_	0	0	×	
SX6	×	0	×	0	0	0	0	0	0	0	0	0	0	×	
SX60															
X600															

<sup>\*</sup> If a command cannot be supported, 'INVALID\_MODE' or 'NOT\_POWER\_SUPPLIED' is returned as an error response.

\* "i:BUSY" may be returned if the power status is being switched.

User Command Specifications 9. Details of command AUTOPC

Commands	<b>AUTO</b>	PC						Mo	de	Control	Setting	Reference	
Function	Auto PC												
Format	AUTOP	PC											
Parameter	None												
Response		urned when r responses,				ed succe	ssfully.						
Description	Auto PC execution												
	same ti A "busy (Refer t Further -2 This co -3 Executi • Tr • Hr • Nu	e executed of the control of the con	is given whill ITDRV common to be possible entical to prominent of dots  tical position izontal/vertical setting values.	de the zomand arrasible to essing to modify modify as cal displaces, use	oom ond FO executions of the "Fo" of the the	or focus le CONTDR\ ute the co NUTOPC" following ots	ns is be / comma mmand button of setting v	eing driv and.) with so on the r values.	ven. ome rem	input s	ignals. trol or fro	ont pane	
	. 5. 45.		etting			GET	7						
	Tra Hor Ver Nur	al number of cking rizontal posit tical position mber of horiz mber of verti	tion 1 zontal displa		GE GE GE	T DOTS T TRACK T HPOS T VPOS T HPIX T VPIX							
Example	Number of vertical display dots GET VPIX  > AUTOPC < i:OK												
Commands		are indicated SX6	SX60	X60		nulcated D	y \ .	I					
supported	01.00** O	01.01** O	01.01** O	01.01 O	**								
	Ŭ	•						L.			1		

						-										
Ν	/lodel		owe						Input					Мо	de	Remarks
		OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	Remarks
(	SX50	×	0	×	×	0	0	×	×	×	-	_	×	0	×	
	SX6	×	0	×	×	0	0	×	×	×	×	×	×	0	×	
5	SX60															
	X600															

<sup>\*</sup> If the command cannot be supported, 'INVALID\_MODE,' 'NOT\_POWER\_SUPPLIED' or 'INVALID\_SOURCE' is returned as an error response.

\* If the necessary signals are not input, 'INVALID\_SIGNAL (\*\*\*\*\*\*)' or 'NO\_SIGNAL' is returned.

\* "i:BUSY" may be returned if the power status is being switched.

User Command Specifications 9. Details of command DOTS

Commands	DOTS						Mode	Control	Setting	Reference			
Function	Total numb	er of dots ac	djustment										
Format	DOTS=	<number o<="" th=""><th>f dots: Nun</th><th>nber&gt;</th><th></th><th></th><th></th><th></th><th></th><th></th></number>	f dots: Nun	nber>									
Parameter	Number of	dots											
	that time.	E command refer to the			ne paramete	r range t	hat can	be set a	at	Number			
	"i:OK" is ret For all othe	urned if the r responses			erly.								
Description	1 This designates the total number of dots for one horizontal period.  -1 It can be executed when the projector is in both the <b>remote mode</b> and <b>power-on</b> status at the												
	same ti A "busy (Refer t Further -2 This co	me. " response i to the ZCON more, it may mmand is the del Menu (50 [Display 660 600 [Display	is given whill ITDRV comr not be poss e same as t y settings] - y settings] -	e the zoom mand and F sible to exec the menu ful [Input signa	or focus lens CONTDRV coute the com notions in the settings] - [ I settings] - [	s is being command mand wi e table be Total nur	g driven d.) th some elow. mber of	dots adj	ignals.				
Example	Setting > DOTS= < i:OK	1650			The total nu	umber of	dots is	1650.					
	Reference > GET DO < g:DOTS	OTS or ?DO S=1200	TS		This retrieve	es the to	tal num	ber of do	ots.				
	> RANGE < r:DOTS	=N, 0, 4096		,	Any value fi		4096 ca	an be se	t for the	total dots.			
Commands	* Commands SX50	are indicated	by ">", and re	x600	indicated by "	'<".							
supported	01.00** O	01.01** O	01.01** O	01.01** O									
	_				1				1				

					-										
Model	F	owe	er					Input					Мо	de	Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	None	Remote	Local	Remarks					
SX50	×	0	×	×	0	0	×	×	×	_	_	×	0	×	
SX6	×	0	×	×	0	0	×	×	×	×	×	×	0	×	
SX60															
X600															

<sup>\*</sup> If the command cannot be supported, 'INVALID\_MODE,' 'NOT\_POWER\_SUPPLIED' or 'INVALID\_SOURCE' is returned as an error response.

\* If the necessary signals are not input, 'INVALID\_SIGNAL (\*\*\*\*\*\*)' or 'NO\_SIGNAL' is returned.

\* "i:BUSY" may be returned if the power status is being switched.

User Command Specifications 9. Details of command TRACK

Commands	<b>TRAC</b>	K					Mode	Control	Setting	Reference			
Function	Tracking ac	ljustment											
Format	TRACK	<= <adjustm< th=""><th>ent value:</th><th>Number&gt;</th><th></th><th></th><th></th><th></th><th></th><th></th></adjustm<>	ent value:	Number>									
Parameter	Adjustment	value											
	that time.		can be use	d to obtain th	ne paramete	r range t	that can	be set a	at	Number			
Response			parameter v , refer to "Er	vas set prop ror List."	erly.								
Description	This is used for adjustment when tracking (synchronization) is out of sync and the screen flickers.  -1 It can be executed when the projector is in both the <b>remote mode</b> and <b>power-on</b> status at the												
	same ti A "busy (Refer t Further -2 This co  MC SX SX  -3 The GE For deta	me. "response is the ZCON more, it may mmand is the indel Menu (50 [Display K6] (60 [Display K6] (50 [Displa	is given whill ITDRV composite same as the second of the posite same as the second of	e the zoom mand and Fe sible to exec the menu fur [Input signal [Input signal	or focus lens CONTDRV of cute the com- nctions in the settings] - [	s is being command with the table between Tracking	g driven d.) ith some	e input s	ignals.	s at the			
Example	> TRACK < i:OK	(=25			The tracking	g adjustr	ment va	lue is se	t to 25.				
	Reference > GET TF < g:TRAC	RACK or ?TI CK=21	RACK		This retrieve	es the tra	acking a	adjustme	ent settir	ng value.			
	> RANGE < r:TRAC	E TRACK K=N, 0, 31	eter range (M	,	Any value f		31 can	be set fo	or the tra	acking.			
Commands	* Commands SX50	SX6	SX60	esponses are X600	indicated by "	\". 							
supported	01.00** O	01.01** O	01.01** O	01.01** O									
	Ŭ				l	I	I		J				

Model	F	owe	er					Input					Мо	de	Remarks
	OFF	ON	PM	D-RGB A-RGB1 A-RGB2 Comp Video S-Video D-Video SCART Non									Remote	Local	Remarks
SX50	×	0	×	×	0	0	×	×	×	_	_	×	0	×	
SX6	×	0	×	×	0	0	×	×	×	×	×	×	0	×	
SX60															
X600															

<sup>\*</sup> If the command cannot be supported, 'INVALID\_MODE,' 'NOT\_POWER\_SUPPLIED' or 'INVALID\_SOURCE' is returned as an error response.

\* If the necessary signals are not input, 'INVALID\_SIGNAL (\*\*\*\*\*\*)' or 'NO\_SIGNAL' is returned.

\* "i:BUSY" may be returned if the power status is being switched.

User Command Specifications 9. Details of command HPOS/VPOS

Commands	HPOS	/VPOS	<del></del>			M	ode Control	Setting	Reference				
Function	Horizontal/	Vertical posi	tion adjustm	ent									
Format			I position: l osition: Nu										
Parameter	Horizontal/	vertical posit	tions										
	that time.		can be used		he paramete	r range that	can be set a	at	Number				
Response			parameter v , refer to "Er		erly.								
Description	This adjusts the horizontal and vertical position on the screen.												
	same ti A "busy (Refer i Further -2 This co	me. /" response to the ZCON more, it may mmand is the del Menu [Display [Di	is given whill ITDRV common on the possible same as to a settings] - y settings] - y settings] - y settings] - y settings] - y settings] -	e the zoom mand and F sible to exec he menu fu [Input signa [Input signa [Input signa Input signa d to retrieve	or focus lens CONTDRV ocute the com nctions in the I settings] - [I I settings] - [I I settings] - [I I settings] - [I I settings] - [I	s is being di command.) mand with s e table below Horizontal pos Horizontal pos Vertical pos	osition]	ignals.	at the				
Example	> HPOS= < i:OK Reference > GET VI	POS or ?VP	os		This sets th		I position to	12.					
	> RANGE < r:HPOS	able parame E HPOS S=N, 0, 820	eter range (M	,	Any value fi horizontal p	osition.	0 can be set	for the					
Commands supported	SX50	SX6 01.01**	SX60 01.01**	X600 01.01**									
oupportou.	01.00	01.01	01.01	01.01				<u> </u>					
	<u> </u>												

Model	F	owe	r					Input					Мо	de	Remarks
	OFF	ON	PM	D-RGB	D-RGB A-RGB1 A-RGB2 Comp Video S-Video D-Video SCART None										Remarks
SX50	×	0	×	×	D-RGB   A-RGB1   A-RGB2   Comp   Video   S-Video   D-Video   SCART   None										
SX6	×	0	×	×	0	0	×	×	×	×	×	×	0	×	
SX60															
X600															

<sup>\*</sup> If the command cannot be supported, 'INVALID\_MODE,' 'NOT\_POWER\_SUPPLIED' or 'INVALID\_SOURCE' is returned as an error response.

\* If the necessary signals are not input, 'INVALID\_SIGNAL (\*\*\*\*\*\*)' or 'NO\_SIGNAL' is returned.

\* "I:BUSY" may be returned if the power status is being switched.

User Command Specifications 9. Details of command HPIX/VPIX

Commands	HPIX/	VPIX				Me	ode Control	Setting	Reference						
Function	Horizontal/\	Vertical reso	lution adjust	tment											
Format		Horizontal Horizontal													
Parameter	Horizontal/\	vertical resol	ution												
	that time.	E command refer to the			he paramete	r range that	can be set a	at	Number						
Response		urned if the responses			perly.										
Description	This adjusts the horizontal and vertical resolution (number of dots) on the screen.  -1 It can be executed when the projector is in both the <b>remote mode</b> and <b>power-on</b> status at the														
	same ti A "busy (Refer t Further -2 This co	-1 It can be executed when the projector is in both the <b>remote mode</b> and <b>power-on</b> status at the same time.  A "busy" response is given while the zoom or focus lens is being driven. (Refer to the ZCONTDRV command and FCONTDRV command.) Furthermore, it may not be possible to execute the command with some input signals2 This command is the same as the menu functions in the table below.    Model   Menu													
Example	Setting > HPIX=1 < i:OK	1024			This sets th	ne horizontal	l resolution to	o 1024.							
			<		This retriev	es the vertic	cal resolution	1.							
	> GET VPIX or ?VPIX <pre></pre>														
Commands supported		SX6 01.01**	SX60 01.01**	X600 01.01**											
	0	0	0	0				1							

Model	F	owe	r					Input					Mo	de	Remarks
	OFF	ON	PM	D-RGB	D-RGB A-RGB1 A-RGB2 Comp Video S-Video D-Video SCART None										Remarks
SX50	×	0	×	0	0	0	×	×	×	-	_	×	0	×	
SX6	×	0	×	0	0	0	×	×	×	×	×	×	0	×	
SX60															
X600															

<sup>\*</sup> If the command cannot be supported, 'INVALID\_MODE,' 'NOT\_POWER\_SUPPLIED' or 'INVALID\_SOURCE' is returned as an error response.
\* If the necessary signals are not input, 'INVALID\_SIGNAL (\*\*\*\*\*)' or 'NO\_SIGNAL' is returned.

<sup>\* &</sup>quot;i:BUSY" may be returned if the power status is being switched.

9. Details of command SEL User Command Specifications

Commands	SEL Mode Control Setting Referen
Function	Input signal selection
Format	SEL= <input id="" parameter:="" selection="" signal=""/>
Parameter	Input signal selection parameter
	Parameter   Meaning
	AUTO Auto
	The parameters which can be set at any given point in time can be obtained using the
	RANGE command.
	For details, refer to the RANGE command.
Response	"i:OK" is returned if the parameter was set properly.
	For all other responses, refer to "Error List."
Description	This selects the input signal.
	-1 It can be executed when the projector is in both the remote mode and power-on status at the same time.
	A "busy" response is given while the zoom or focus lens is being driven.
	(Refer to the ZCONTDRV command and FCONTDRV command.)
	Furthermore, it may not be possible to execute the command with some input signals.  -2 This command takes effect only with the "AUTO" parameter setting.
	-3 This command is the same as the menu functions in the table below.
	Model   Menu
	SX50 [Display settings] - [Input signal selection] - [Auto]
	SX6 SX60 [Display settings] - [Input signal selection] - [Auto]
	X600
	4. The current input signal can be acquired using the applicable CET command
	<ul> <li>-4 The current input signal can be acquired using the applicable GET command.</li> <li>For details, refer to the GET command.</li> </ul>
	Parameter Remarks
	PAL Includes PAL-M and PAL-N
	SECAM   NTSC Includes NTSC4.43
	1080i Includes 540p (1080i non-interlaced signal)
	1035i
	720p 575p
	480p
	575i Includes 288p (PAL non-interlaced signal)
	480i Includes 240p (NTSC non-interlaced signal) UNKNOWN No-color, 1080p, and other signals
	List of signals which can be detected
Example	Setting
Lample	> SEL=AUTO This sets the input signal selection to "AUTO".
	< i:OK
	Reference
	> GET SEL or ?SEL This retrieves the input signal.
	< g:SEL=575p
	Acquisition of parameters which can be set
	> RANGE SEL
	< r:SEL=I, AUTO Only "AUTO" can be set for the input signal selection.
	* Commands are indicated by ">", and responses are indicated by "<".
Commands	SX50 SX6 SX60 X600
supported	01.00**

Ouppoi	icu ·	OUII	iiiiai	ia Otato	J										
Model	F	owe	er					Input					Mo	de	Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	None	Remote	Local	Remarks					
SX50	×	0	×	×	×	×	0	0	0	-	-	×	0	×	
SX6	×	0	×	×	×	×	0	0	0	×	×	×	0	×	
SX60															
X600															

- \* If the command cannot be supported, 'INVALID\_MODE,' 'NOT\_POWER\_SUPPLIED' or 'INVALID\_SOURCE' is returned as an error response.

  \* If the necessary signals are not input, 'INVALID\_SIGNAL (\*\*\*\*\*\*)' or 'NO\_SIGNAL' is returned.

  \* "i:BUSY" may be returned if the power status is being switched.

User Command Specifications 9. Details of command ASPECT

	4000									l	- (		
Commands	ASPE	СТ						Mode	Control	Setting	Reference		
Function	Screen sett	ings											
Format	ASPECT= <screen parameters:id="" setting=""></screen>												
Paramotor	Screen sett	ing paramet	tore										
Parameter	Screen sen	ing paramet	leis		Free	ro oumno	rtad by m	andal .	1				
	Param	eter Meanin	ıg	-	SX50	SX6	rted by m	X600					
	AUTO Auto O O O O NORMAL Normal O												
	WID				0	-	-	0	_				
	FUL		een		ŏ	0	Ö	Ö	1		ID		
	TRUE Real O O O												
	The parameters which can be set at any given point in time can be obtained using the RANGE command.  For details, refer to the RANGE command.												
Response	"i:OK" is returned if the parameter was set properly. For all other responses, refer to "Error List."												
Description	This sets the screen sizes.												
	same time.  A "busy" response is given while the zoom or focus lens is being driven. (Refer to the ZCONTDRV command and FCONTDRV command.) Furthermore, it may not be possible to execute the command with some input signals.  -2 The final screen settings are retained even when the power is turned off. However, the screen settings may be different if the input terminal or input signal is changed.  -3 This command is the same as the menu functions in the table below.    Model   Menu												
Example	Setting > ASPECT=WIDE This sets the screen size to WIDE. > i:OK												
	Reference > GET ASPECT or ?ASPECT This retrieves the screen size. < g:ASPECT=TRUE												
	> RANGE < r:ASPE	E ASPECT CT=I, AUTC	ers which can	, WIDE	scre	een size	ł.	." or "W	IDE" can	ı be set a	as the		
Commands	SX50	SX6	SX60	X600	oaic		·						
supported		01.01**	01.01**	01.01**	•								
	0	0	0	0						J			

# Supported Command States

Model	Parameter	Power			ver Input										
		OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local
	AUTO	×	0	×	×	×	×	0	×	×	-	_	0	0	×
	NORMAL	×	0	×	0	0	0	0	0	0	-	_	0	0	×
SX50	WIDE	×	0	×	0	0	0	0	0	0	-	-	0	0	×
	FULL	×	0	×	0	0	0	×	×	×	-	-	0	0	×
	TRUE	×	0	×	0	0	0	×	×	×	-	_	×	0	×
SX6	AUTO	×	0	×	0	0	0	0	×	×	0	×	0	0	×
SX60	WIDE	×	0	×	0	0	0	0	0	0	0	0	0	0	×
X600	FULL	×	0	×	0	0	0	0	0	0	0	0	0	0	×
	TRUE	×	0	×	0	0	0	×	×	×	×	×	×	0	×

\* If the command cannot be supported, "INVALID\_MODE," "NOT\_POWER\_SUPPLIED" or "INVALID\_SOURCE" is returned as an error response.

\* If the necessary signals are not input, "INVALID\_SIGNAL (\*\*\*\*\*\*)" or "NO\_SIGNAL" is returned.

\* "i:BUSY" may be returned if the power status is being switched.

User Command Specifications 9. Details of command IMAGE

Commands	IMAG	E						Mode	Control	Setting	Reference		
	Image mode setting												
	_												
Format	IMAGE	= <lmage m<="" th=""><th>ode setting p</th><th>aramete</th><th>r:ID&gt;</th><th>•</th><th></th><th></th><th></th><th></th><th></th></lmage>	ode setting p	aramete	r:ID>	•							
Parameter	Image mod	le setting par	rameters										
i didilictor	inage mod	ic setting pai	Tamotors						-				
	Pa	rameter	Meaning	g _	Erro SX50	ors suppo	orted by n	X600					
	STA	ANDARD	Standard		0	0	0	0	1				
					Ō	Ö	Ō	Ō	1				
		INEMA	Cinema		0	×	×	×					
		SRGB	sRGB		0	0	0	0	4				
		MOVIE	ADOBE RGB Movie	5	×	O ×	×	×	4		ID		
		E PHOTO	Movie & Phot	to	×	0	×	×	1				
		_	Home theater		×	×	0	×	1				
		_					•						
	The parameters which can be set at any given point in time can be obtained using the RANGE command.  For details, refer to the RANGE command.												
	For details,	, refer to the	RANGE comm	nand.									
Pasnansa	"i·∩K" is r	eturned if th	ne paramete	r was se	t nro	nerly							
response			, refer to "Erro		r pro	perry.							
			,										
Description	This sets th	ne image qua	ality.										
	-1 It can be executed when the projector is in both the <b>remote mode</b> and <b>power-on</b> status at the same time.												
			is given while	the zoom	or fo	cue lan	e ie hain	a drive	1				
			ITDRV comma						1.				
	•		or the image m					,	er is turne	ed off.			
		•	ne same as the										
	Mo	odel Menu											
			adjustments]	- [Image	mode	setting	sl						
		X6		1 131									
			adjustments]	- [Image	mode	setting	s]						
	X	600											
	1 Changi	ina tha aattin	a may madify	the feller		antina .	oluoo						
	-4 Changi	ing the settin	g may modify										
	-4 Changi		g may modify		mand	s relate			Rem	narks			
					mand				Rem	narks			
	Bri Co	Set ghtness ntrast		BRI CONT	mand se	s relate			Rem	narks			
	Bri Co Sh	Set ghtness ntrast arpness	iting	BRI CONT SHAR	mand se	s relate			Rem	narks			
	Bri Co Sh	Set ghtness ntrast arpness mma adjustr	ment	BRI CONT SHAR GAMM	mand Se P MA	s relate			Rem	narks			
	Bri Co Sh Ga Dy	Set ghtness ntrast arpness mma adjustr namic gamm	ment	BRI CONT SHAR GAMN	mand Se	s relate			Rem	narks			
	Bri Co Sh: Ga Dy:	Set ghtness ntrast arpness mma adjustr namic gamm ogressive	ment	BRI CONT SHAR GAMN DGAM	mand Se P MA MMA	s relate		For the		narks			
	Bri Co Sh. Ga Dy: Pro	Set ghtness ntrast arpness mma adjustr namic gamm ogressive	ment na prrection/RGB	BRI CONT SHAR GAMN DGAM	mand Se P MA MMA	s relate		For the	Rem	narks			
	Bri, Co Sh. Ga Dy. Prc Sci adj Sa'	ghtness ntrast arpness mma adjustr namic gamm ogressive reen color co ustment valu turation/hue	ment ha	BRI CONT SHAR GAMI DGAM PROG WB/ V	mand Se P MA MMA WBRO	s relate ettings			e SX50	narks			
	Bri Co Sh: Ga Dy: Pro Sci adj Sa: Ad	ghtness ntrast arpness mma adjustr namic gamm ogressive reen color co ustment valu turation/hue vanced color	ment ha hard prrection/RGB hes	BRI CONT SHAR GAMN DGAM PROG WB/V	mand Se P MA MMA WBRG HUE JUS1	s relate ettings		For the	e SX50				
	Bri Co Sh Ga Dy Prc Sci adj Sa' Ad	ghtness ntrast arpness mma adjustr namic gamm ogressive reen color co ustment valu turation/hue vanced color emory color of	ment na prrection/RGB ues radjustment correction	BRI CONT SHAR GAMN DGAM PROG WB/V SAT/I ACAD	P MA MMA S VBRO	s relate ettings	d to the	For the	e SX50 e SX50 e SX6, SX	X60 or X			
	Bri Co Sh. Ga Dy: Prc Sci adj Sai Ad	ghtness ntrast arpness mma adjustr namic gamm ogressive reen color co ustment valu turation/hue vanced color mory color co	ment na orrection/RGB ues radjustment torrection t adjustments	BRI CONT SHAR GAMN DGAM PROG WB/V SAT/I ACAD MEMC RGBG	P MA MMA S VBRO	s relate ettings	d to the	For the	e SX50	X60 or X			
	Bri Co Sh. Ga Dy: Prc Sci adj Sai Ad	ghtness ntrast arpness mma adjustr namic gamm ogressive reen color co ustment valu turation/hue vanced color emory color of	ment na orrection/RGB ues radjustment torrection t adjustments	BRI CONT SHAR GAMN DGAM PROG WB/V SAT/I ACAD	P MA MMA S VBRO	s relate ettings	d to the	For the	e SX50 e SX50 e SX6, SX	X60 or X			
	Bri Co Sh. Ga Dy! Prc Sci adj Sai Ad Me RG 6-a	ghtness ntrast arpness mma adjustr namic gamm ogressive reen color co ustment valu turation/hue vanced color emory color co is gain/offse exis color adj	ment na orrection/RGB ues radjustment torrection t adjustments	BRI CONT SHAR GAMN DGAN PROG WB/V SAT/I ACAD MEMC RGBG 6AXR	mand se P MA MMA G WBRG JUST CADJ GAIN/ ~ Y	s relate ettings	d to the	For the	≥ SX50 ≥ SX50 ≥ SX6, SX ≥ SX6, SX	(60 or X			
	Bri Co Sh. Ga Dy Prc Sci adj Sa Ad Me RG 6-a	ghtness ntrast arpness mma adjustr namic gamm ogressive reen color cc ustment valu turation/hue vanced color mory color c B gain/offse xxis color adj rrent image o	ment orrection/RGB ues radjustment torrection t adjustments ust	BRI CONT SHAR GAMN DGAM PROG WB/V SAT/I ACAD MEMC RGBG 6AXR	mand se P MA MMA G WBRG JUST CADJ GAIN/ ~ Y	s relate ettings	d to the	For the	≥ SX50 ≥ SX50 ≥ SX6, SX ≥ SX6, SX	(60 or X			
	Bri. Co Sh. Ga Dy Prc Sci adj Sa' Ad' Me RC 6-a	ghtness ntrast arpness mma adjustr namic gamm ogressive reen color cc ustment valu turation/hue vanced color mory color c B gain/offse xxis color adj rrent image o	ment orrection/RGB les radjustment tadjustments ust quality can be	BRI CONT SHAR GAMN DGAM PROG WB/V SAT/I ACAD MEMC RGBG 6AXR	mand se P MA MMA G WBRG JUST CADJ GAIN/ ~ Y	s relate ettings	d to the	For the	≥ SX50 ≥ SX50 ≥ SX6, SX ≥ SX6, SX	(60 or X			
Example	Bri Co Sh. Ga Dy Pro Scot adj Sa' Ad Me RG 6-a	ghtness ntrast arpness mma adjustr namic gamm ogressive reen color co ustment valu turation/hue vanced color emory color c B gain/offse ixis color adju rrent image of tails, refer to	ment has prection/RGB pes radjustment correction t adjustments ust quality can be the GET comi	BRI CONT SHAR GAMN DGAM PROG WB/V SAT/I ACAD MEMC RGBG 6AXR	mand signal was a	s relate ettings  GB  RGBOF  g the ap	FSET pplicable	For the For the	e SX50 e SX50 e SX6, SX e SX6, SX	(60 or X	600		
Example	Bri Co Sh Ga Dy Pro Sci adj Sar Ad Me RG 6-a	ghtness ntrast arpness mma adjustr namic gamm ogressive reen color cc ustment valu turation/hue vanced color mory color c B gain/offse xxis color adj rrent image o	ment has prection/RGB pes radjustment correction t adjustments ust quality can be the GET comi	BRI CONT SHAR GAMN DGAM PROG WB/V SAT/I ACAD MEMC RGBG 6AXR	mand signal was a	s relate ettings  GB  RGBOF  g the ap	FSET pplicable	For the For the	≥ SX50 ≥ SX50 ≥ SX6, SX ≥ SX6, SX	(60 or X	600		
Example	Bri Co Sh. Ga Dy Pro Scot adj Sa' Ad Me RG 6-a	ghtness ntrast arpness mma adjustr namic gamm ogressive reen color co ustment valu turation/hue vanced color emory color c B gain/offse ixis color adju rrent image of tails, refer to	ment has prection/RGB pes radjustment correction t adjustments ust quality can be the GET comi	BRI CONT SHAR GAMN DGAM PROG WB/V SAT/I ACAD MEMC RGBG 6AXR	mand signal was a	s relate ettings  GB  RGBOF  g the ap	FSET pplicable	For the For the	e SX50 e SX50 e SX6, SX e SX6, SX	(60 or X	600		
Example	Bri Co Sh Ga Dy Pro Sci adj Sar Ad Me RG 6-a	ghtness ntrast arpness mma adjustr namic gamm ogressive reen color co ustment valu turation/hue vanced color emory color c B gain/offse ixis color adju rrent image of tails, refer to	ment has prection/RGB pes radjustment correction t adjustments ust quality can be the GET comi	BRI CONT SHAR GAMN DGAM PROG WB/V SAT/I ACAD MEMC RGBG 6AXR	mand signal was a	s relate ettings  GB  RGBOF  g the ap	FSET pplicable	For the For the	e SX50 e SX50 e SX6, SX e SX6, SX	(60 or X	600		
Example	Bri. Co Sh. Ga Dy Prc Sci adj Sai Ad' Me RC 6-a -5 The cu For det Setting > IMAGE < i:OK Reference	ghtness ntrast arpness mma adjustr namic gamm ogressive reen color co ustment valu turation/hue vanced color emory color c B gain/offse ixis color adju rrent image of tails, refer to	ment na  prrection/RGB ues r adjustment correction t adjustments ust quality can be the GET comi	BRI CONT SHAR GAMN DGAM PROG WB/V SAT/I ACAD MEMC RGBG 6AXR	mand se P P MA  WBRG  CADJ  CADJ  CADJ  CADJ  CADJ  Thi	s relate ettings  SB  RGBOF  g the ap	FSET plicable	For the For the For the For the For the For the Formula (Control of the Formul	e SX50 e SX50 e SX6, SX e SX6, SX	X60 or X X60 or X	600		
Example	Bri. Co Sh. Ga Dy. Prc Sci adj Sai Ad' Me RG 6-a -5 The cu For del Setting > IMAGE < i:OK Reference > GET IN	ghtness ntrast arpness mma adjustr namic gamm ogressive reen color co ustment valu turation/hue vanced color emory color c B gain/offse exis color adjustr rrent image of tails, refer to	ment na  prection/RGB ues r adjustment correction t adjustments ust quality can be the GET comi	BRI CONT SHAR GAMN DGAM PROG WB/V SAT/I ACAD MEMC RGBG 6AXR	mand se P P MA  WBRG  CADJ  CADJ  CADJ  CADJ  CADJ  Thi	s relate ettings  SB  RGBOF  g the ap	FSET plicable	For the For the For the For the For the For the Formula (Control of the Formul	e SX50 e SX50 e SX6, SX e SX6, SX command.	X60 or X X60 or X	600		
Example	Bri Co Sh: Ga Dy Pro Son Ad Me RG 6-a  -5 The cu For det  Setting > IMAGE < i:OK  Reference > GET IM < g:IMAGE	ghtness Intrast Intras	ment ma prrection/RGB pes radjustment correction t adjustments ust quality can be the GET comment of the GET	BRI CONT SHAR GAMN DGAM PROG WB/V SAT/I ACAD MEMC RGBG 6AXR acquired mand.	mand se P P MA  WBRG  CADJ  CADJ  CADJ  CADJ  CADJ  Thi	s relate ettings  SB  RGBOF  g the ap	FSET plicable	For the For the For the For the For the For the Formula (Control of the Formul	e SX50 e SX50 e SX6, SX e SX6, SX command.	X60 or X X60 or X	600		
Example	Bri. Co Sh. Ga Dy Pro Sci. adj Sar Ad Me RG 6-a  -5 The cu For det  Setting > IMAGE < i:OK  Reference > GET IN < g:IMAG Acquisition	ghtness ntrast arpness mma adjustr namic gamm ggressive reen color co ustment valu turation/hue vanced color emory color co B gain/offse txis color adju rrent image of tails, refer to	ment na  prection/RGB ues r adjustment correction t adjustments ust quality can be the GET comi	BRI CONT SHAR GAMN DGAM PROG WB/V SAT/I ACAD MEMC RGBG 6AXR acquired mand.	mand se P P MA  WBRG  CADJ  CADJ  CADJ  CADJ  CADJ  Thi	s relate ettings  SB  RGBOF  g the ap	FSET plicable	For the For the For the For the For the For the Formula (Control of the Formul	e SX50 e SX50 e SX6, SX e SX6, SX command.	X60 or X X60 or X	600		
Example	Bri. Co Sh. Ga Dy. Prc Sci. adj Sar Ad' Me RG 6-a -5 The cu For det  Setting > IMAGE < i:OK  Reference > GET IN < g:IMAG Acquisition > RANGI	ghtness ntrast arpness mma adjustr namic gamm ggressive reen color co ustment valu turation/hue vanced color emory color of gain/offse ixis color adj rrent image of tails, refer to	ment na prection/RGB ues radjustment correction t adjustments ust quality can be the GET comi	BRI CONT SHAR GAMN DGAM PROG WB/V SAT/I ACAD MEMO RGBG 6AXR acquired mand.	mand se P MA IMA Se VBRG ADJUST CADJUST CADJUST Thi	s related ettings  GB  FRGBOF  g the app  s sets the set of the se	FSET pplicable ne image	For the For the For the For the For the For the Formula in thead in the Formula in the Formula in the Formula in the Formula i	e SX50 e SX50 e SX6, SX e SX6, SX ommand.	K60 or X K60 or X	600		
Example	Bri. Co Sh. Ga Dy. Prc Sci. adj Sar Ad' Me RG 6-a -5 The cu For det  Setting > IMAGE < i:OK  Reference > GET IN < g:IMAG Acquisition > RANGI	ghtness ntrast arpness mma adjustr namic gamm ggressive reen color co ustment valu turation/hue vanced color emory color of gain/offse ixis color adj rrent image of tails, refer to	ment ma prrection/RGB pes radjustment correction t adjustments ust quality can be the GET comment of the GET	BRI CONT SHAR GAMN DGAM PROG WB/V SAT/I ACAD MEMO RGBG 6AXR acquired mand.	mand se P MA IMA Se VBRG AUE JUST CADJ SAIN/ ~Y I using	s relate ettings  GB  FRGBOF g the ap s sets the series of	FSET plicable ne image	For the For the For the For the For the For the Formula in thead in the Formula in the Formula in the Formula in the Formula i	e SX50 e SX50 e SX6, SX e SX6, SX ommand.	K60 or X K60 or X	600		
Example	Bri. Co Sh. Ga Dy. Prc Sci. adj Sar Ad' Me RG 6-a -5 The cu For det  Setting > IMAGE < i:OK  Reference > GET IN < g:IMAG Acquisition > RANGI	ghtness ntrast arpness mma adjustr namic gamm ggressive reen color co ustment valu turation/hue vanced color emory color of gain/offse ixis color adj rrent image of tails, refer to	ment na prection/RGB ues radjustment correction t adjustments ust quality can be the GET comi	BRI CONT SHAR GAMN DGAM PROG WB/V SAT/I ACAD MEMO RGBG 6AXR acquired mand.	mand se P MA IMA Se VBRG AUE JUST CADJ SAIN/ ~Y I using	s related ettings  GB  FRGBOF  g the app  s sets the set of the se	FSET plicable ne image	For the For the For the For the For the For the Formula in thead in the Formula in the Formula in the Formula in the Formula i	e SX50 e SX50 e SX6, SX e SX6, SX ommand.	K60 or X K60 or X	600		
Example	Bri. Co Sh. Ga Dy Prc Sci adj Sa' Ad' Me RG 6-a  -5 The cu For del  Setting > IMAGE < i:OK  Reference > GET IN < g:IMAG  Acquisition > RANG < r:IMAG	ghtness ntrast arpness mma adjustr namic gamm ggressive reen color co ustment valu turation/hue vanced color emory color of B gain/offse ixis color adju rrent image of tails, refer to  ###################################	ment na prection/RGB ues radjustment correction t adjustments ust quality can be the GET comi	BRI CONT SHAR GAMN PROG WB/V SAT/I ACAD MEMC RGBG 6AXR acquired mand.	mand se P MA MMA G WBRG AUE JUST CADJ SAIN/ ~Y  Thi  Thi  "ST the	s relate ettings  GB  F  RGBOF  g the ap s sets the series of the series	FSET  plicable  ne image  nces the	For the For the For the For the For the For the Formula in thead in the Formula in the Formula in the Formula in the Formula i	e SX50 e SX50 e SX6, SX e SX6, SX ommand.	K60 or X K60 or X	600		
Commands	Bri. Co Sh. Ga Dy Prc Sci adj Sai Ad' Me RG 6-a -5 The cu For det  Setting > IMAGE < i:OK  Reference > GET IN < g:IMAG  Acquisition > RANGI < r:IMAG  * Commands SX50	ghtness ntrast arpness mma adjustr namic gamm ogressive reen color co ustment valu turation/hue vanced color mory color c B gain/offse ixis color adju rrent image of tails, refer to  E=PRESENT MAGE or ?IM BE=CINEMA of paramete E IMAG is are indicated SX6	ment na  prrection/RGB ues r adjustment correction t adjustments ust quality can be the GET comi  ATION  IAGE ers which can I DARD, CINEMA  I by ">", and res SX60	BRI CONT SHAR GAMN DGAM PROG WB/V SAT/I ACAD MEMC RGBG 6AXR acquired mand.	mand se P MA MMA G WBRG AUE JUST CADJ SAIN/ ~Y  Thi  Thi  "ST the	s relate ettings  GB  F  RGBOF  g the ap s sets the series of the series	FSET  plicable  ne image  nces the	For the For the For the For the For the For the Formula in thead in the Formula in the Formula in the Formula in the Formula i	e SX50 e SX50 e SX6, SX e SX6, SX ommand.	K60 or X K60 or X	600		
	Bri. Co Sh. Ga Dy. Prc Sci adj Sai Ad' Me RG 6-a -5 The cu For del  Setting > IMAGE < i:OK  Reference > GET IN < g:IMAG  4 cruisition > RANGI < r:IMAG  * Commands  \$X50 01.00**	ghtness ntrast arpness mma adjustr namic gamm ogressive reen color co ustment valu. turation/hue vanced color mory color of B gain/offse exis color adjustr rrent image of tails, refer to  ### AGE or ?IM BE=CINEMA  of paramete E IMAG E IMAG S are indicated  SX6 01.01**	ment ma  prection/RGB les radjustment correction t adjustments ust quality can be the GET comi  ATION  ATION  ATION  ATION  ATION  ATION  ATION  ATION  ARD, CINEMA  BY ">", and res  SX60 01.01**	BRI CONT SHAR GAMN DGAN PROG WB/V SAT/I ACAD MEMC RGBG 6AXR acquired mand.	mand se P MA MMA G WBRG AUE JUST CADJ SAIN/ ~Y  Thi  Thi  "ST the	s relate ettings  GB  F  RGBOF  g the ap s sets the series of the series	FSET  plicable  ne image  nces the	For the For the For the For the For the For the Formula in thead in the Formula in the Formula in the Formula in the Formula i	e SX50 e SX50 e SX6, SX e SX6, SX ommand.	K60 or X K60 or X	,		
Commands	Bri. Co Sh. Ga Dy Prc Sci adj Sai Ad' Me RG 6-a -5 The cu For det  Setting > IMAGE < i:OK  Reference > GET IN < g:IMAG  Acquisition > RANGI < r:IMAG  * Commands SX50	ghtness ntrast arpness mma adjustr namic gamm ogressive reen color co ustment valu turation/hue vanced color mory color c B gain/offse ixis color adju rrent image of tails, refer to  E=PRESENT MAGE or ?IM BE=CINEMA of paramete E IMAG is are indicated SX6	ment na  prrection/RGB ues r adjustment correction t adjustments ust quality can be the GET comi  ATION  IAGE ers which can I DARD, CINEMA  I by ">", and res SX60	BRI CONT SHAR GAMN DGAM PROG WB/V SAT/I ACAD MEMC RGBG 6AXR acquired mand.	mand se P MA MMA G WBRG AUE JUST CADJ SAIN/ ~Y  Thi  Thi  "ST the	s relate ettings  GB  F  RGBOF  g the ap s sets the series of the series	FSET  plicable  ne image  nces the	For the For the For the For the For the For the Formula in thead in the Formula in the Formula in the Formula in the Formula i	e SX50 e SX50 e SX6, SX e SX6, SX ommand.	K60 or X K60 or X	,		

User Command Specifications 9. Details of command IMAGE

Model		owe						Input					Мо	de	Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	Remarks
SX50	×	0	×	0	0	0	0	0	0	-	-	0	0	×	
SX6	×	0	×	0	0	0	0	0	0	0	0	0	0	×	
SX60															
X600	I														

<sup>\*</sup> If a command cannot be supported, 'INVALID\_MODE' or 'NOT\_POWER\_SUPPLIED' is returned as an error response.

\* "i:BUSY" may be returned if the power status is being switched.

User Command Specifications 9. Details of command BRI

Commands	BRI					Mo	ode (	Control	Setting	Reference
Function	Brightness	setting								
Format	BRI= <e< th=""><th>Brightness</th><th>setting: Nu</th><th>mber&gt;</th><th></th><th></th><th></th><th></th><th></th><th></th></e<>	Brightness	setting: Nu	mber>						
Parameter	Brightness	setting (-20	to 20)							
	that time.		can be used		ne paramete	r range that	can b	e set at	t	Number
Response			parameter v , refer to "Er		erly.					
Description	This sets th	e screen bri	ghtness.							
	same ti A "busy (Refer t	me. " response in the ZCON	is given whil	e the zoom mand and F	or focus lens	note mode a s is being dr command.) e table below	iven.	ower-or	<b>ı</b> status	at the
	SX SX X6	[Image of the control		s] - [Brightne	ess] ge mode are	e used for the				
			the GET co		.3pp					
Example	Setting > BRI=-10 < i:OK	0			This sets th	ne brightness	s to -1	0.		
	Reference > GET BF < g:BRI=-	RI or ?BRI 10			This retriev	es the brigh	tness.			
	> RANGE < r:BRI=N	BRI N, -20, 20	eter range (M	·	•	rom -20 to 2	0 can	be set	for the	brightness.
Commands	SX50	SX6	SX60	X600	maicaled by					
supported	01.00** O	01.01** O	01.01** O	01.01** O						
						<u> </u>				

Model	F	owe	r					Input					Mo	de	Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	Remarks
SX50	×	0	×	0	0	0	0	0	0	_	_	0	0	×	
SX6	×	0	×	0	0	0	0	0	0	0	0	0	0	×	
SX60															
X600															

<sup>\*</sup> If a command cannot be supported, 'INVALID\_MODE' or 'NOT\_POWER\_SUPPLIED' is returned as an error response.
\* "i:BUSY" may be returned if the power status is being switched.

User Command Specifications 9. Details of command CONT

Commands	CONT	•				N	lode Cont	rol Setting	Reference
Function	Contrast se	tting							
Format	CONT=	<contrast< th=""><th>setting: Nur</th><th>mber&gt;</th><th></th><th></th><th></th><th></th><th></th></contrast<>	setting: Nur	mber>					
Parameter	Contrast se	tting (-20 to	20)						
	that time.		can be used		ne paramete	r range tha	t can be se	et at	Number
	,								
Response			parameter v , refer to "Er		erly.				
Description	This sets th	e screen co	ntrast.						
	same ti A "busy (Refer t	me.  " response in the ZCON	is given whil	e the zoom mand and F	both the <b>rem</b> or focus lens CONTDRV onctions in the	s is being d command.)	riven.	<b>r-on</b> status	s at the
	S) S)	X6	adjustments						
	-4 The cui	rent contras		quired using	ge mode are the applicab			gs.	
Example	Setting > CONT= < i:OK	:3			This sets th	e contrast	to +3.		
	Reference > GET CO < g:CON	ONT or ?CO T=3	DNT		This retrieve	es the cont	rast.		
	> RANGE < r:CONT	E CONT =N, -20, 20		·	Any value fi		20 can be	set for the	contrast.
Commands	SX50	SX6	SX60	X600	maicaled by				
supported	01.00** O	01.01** O	01.01** O	01.01** O					
							•		

Suppoi	ieu i	CUII	IIIIai	iu State	3										
Model	F	owe	er					Input					Mo	de	Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	INCIIIAINS
SX50	×	0	×	0	0	0	0	0	0	_	_	0	0	×	
SX6	×	0	×	0	0	0	0	0	0	0	0	0	0	×	
SX60															
X600															

<sup>\*</sup> If a command cannot be supported, 'INVALID\_MODE' or 'NOT\_POWER\_SUPPLIED' is returned as an error response.

\* "i:BUSY" may be returned if the power status is being switched.

User Command Specifications 9. Details of command SHARP

Commands	SHAR	Р				t	Mode (	Control	Setting	Reference
Function	Sharpness	setting								
Format	SHARE	= <sharpne< th=""><th>ess setting:</th><th>Number&gt;</th><th></th><th></th><th></th><th></th><th></th><th></th></sharpne<>	ess setting:	Number>						
Parameter	Sharpness	setting (-4 to	0 4)							
	that time.		can be used		ne paramete	r range tha	at can b	oe set a	it	Number
	,									
Response			parameter v , refer to "Er		erly.					
Description	This sets th	e screen sh	arpness.							
	same ti A "busy (Refer t	me.  " response in the ZCON	is given whil	e the zoom mand and F	both the <b>rem</b> or focus lens CONTDRV onctions in the	s is being o	driven.	ower-o	<b>n</b> status	at the
	S) S)	X6	adjustments							
	-4 The cui	rent sharpn		acquired usi	and image ing the applic		comma	and.		
Example	Setting > SHARF < i:OK	P=3			This sets th	e contrast	to 3.			
	Reference > GET SI < g:SHAF	HARP or ?S RP=3	HARP		This retrieve	es the con	trast.			
	> RANGE < r:SHAR	E SHARP P=N, -4, 4	eter range (N	·	Any value fi		1 can b	e set fo	r the sh	arpness.
Commands	SX50	SX6	SX60	X600	maioaleu by					
supported	01.00** O	01.01** O	01.01** O	01.01** O						

Model	F	owe	r					Input					Мо	de	Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	INCIIIAINS
SX50	×	0	×	0	0	0	0	0	0	-	_	0	0	×	
SX6	×	0	×	0	0	0	0	0	0	0	0	0	0	×	
SX60															
X600															

<sup>\*</sup> If a command cannot be supported, 'INVALID\_MODE' or 'NOT\_POWER\_SUPPLIED' is returned as an error response.
\* "i:BUSY" may be returned if the power status is being switched.

User Command Specifications 9. Details of command GAMMA

Commands	GAMMA Mode Control Setting Reference
Function	Gamma adjustment
Format	GAMMA= <gamma adjustment:="" number=""></gamma>
Parameter	Gamma adjustment (-4 to 4)
	The RANGE command can be used to obtain the parameter range that can be set at that time.  For details, refer to the RANGE command.
Response	"i:OK" is returned if the parameter was set properly. For all other responses, refer to "Error List."
Description	This performs the Gamma adjustment.
	-1 It can be executed when the projector is in both the remote mode and power-on status at the same time.  A "busy" response is given while the zoom or focus lens is being driven. (Refer to the ZCONTDRV command and FCONTDRV command.)  -2 This command is the same as the menu functions in the table below.    Model   Menu
Example	Setting  > GAMMA=-1 This sets the gamma correction to –1.  < i:OK
	Reference > GET GAMMA or ?GAMMA This retrieves the gamma correction. < g:GAMMA=3
	Obtain settable parameter range (Min, Max)  > RANGE GAMMA  < r:GAMMA=N, -4, 4  Any value from -4 to 4 can be set for the gamma.
Commands	* Commands are indicated by ">", and responses are indicated by "<".  SX50 SX6 SX60 X600
supported	01.00**

опрро.		<b>-</b>		ia Otato											
Model		owe						Input					Mo	de	Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	Remarks
SX50	×	0	×	0	0	0	0	0	0	-	_	0	0	×	
SX6	×	0	×	0	0	0	0	0	0	0	0	0	0	×	
SX60															
X600															

<sup>\*</sup> If a command cannot be supported, 'INVALID\_MODE' or 'NOT\_POWER\_SUPPLIED' is returned as an error response.

\* "i:BUSY" may be returned if the power status is being switched.

9. Details of command DGAMMA User Command Specifications

Commands	DGAM	MA				Mo	ode Control	Setting	Reference
Function	Dynamic gar	mma							
Format	DGAMM	A= <dynan< th=""><th>nic gamma</th><th>setting pa</th><th>rameter:ID&gt;</th><th></th><th></th><th></th><th></th></dynan<>	nic gamma	setting pa	rameter:ID>				
	The parameter RANGE comFor details, r	OFF ON ters which command.	g can be set a	t any given		can be obta	nined using t	:he	ID
Response	"i:OK" is retu For all other		•		eriy.				
	same tin A "busy" (Refer to -2 This con  SX: SX SX SX CON -3 This sets -4 The curr For deta	response i the ZCON mand is the IMenu 50 [Image 6 6 00]	when the prospective street of the prospecti	ojector is in e the zoom nand and F he menu fu	both the <b>rem</b> or focus lens CONTDRV conctions in the	note mode as is being dr.command.) e table belov	and <b>power-c</b> iven. v. nic gamma]		
Example	> DĞAMM < i:OK Reference > GET DG < g:DGAM Acquisition c > RANGE < r:DGAMI	AMMA or ? MA=1 of paramete DGAMMA MA=I, 0, 1			This retriev	es the dynal	gamma funci mic gamma an be set us	function	state.
Commands supported	SX50	SX6 01.01**	SX60 01.01**	X600 01.01**				-	

Model	F	owe	r					Input					Mo	de	Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	Remarks
SX50	×	0	×	0	0	0	0	0	0	_	_	0	0	×	
SX6	×	0	×	0	0	0	0	0	0	0	0	0	0	×	
SX60															
X600															

<sup>\*</sup> If a command cannot be supported, 'INVALID\_MODE' or 'NOT\_POWER\_SUPPLIED' is returned as an error response.

\* "i:BUSY" may be returned if the power status is being switched.

User Command Specifications 9. Details of command PROG

Commands	PROG						Mode	Control S	Setting	Reference
Function	Progressive set	ting								
Format	PROG= <pi< th=""><th>ogressive conversion</th><th>on setting</th><th>oaramet</th><th>ers:II</th><th>D&gt;</th><th></th><th></th><th></th><th></th></pi<>	ogressive conversion	on setting	oaramet	ers:II	D>				
Parameter	Progressive cor	nversion setting parar	meters							
	Parameter	Meaning	SX	Errors sur		d by m	odel X600			
	0	OFF		) (		0	0			
	1 2	ON AUTO	,			0	00			ID
	The parameters	which can be set at	anv given r	oint in tir	ne ca	an be o	obtained	t usina the	е	
	RANGE comma							J		
Response		ed if the parameter wa		erly.						
		ponses, refer to "Erro								
Description	This command	is used to set the pro	gressive co	nversion	proce	essing	to ON	or OFF.		
	-1 It can be ex	ecuted when the proj	jector is in b	oth the <b>r</b>	emot	e mo	de and p	oower-on	status	at the
	A "busy" re	sponse is given while					-			
	Furthermor	e ZCONTDRV comm e, it may not be possi	ble to exec	ite the c	omma	and wi	ith some	input sig	nals.	
	-2 This comma	and is the same as th	e menu fun	ctions in	the ta	able b	elow.			
	SX50	[Image adjustments]	- [Progress	ive]						
	SX6 SX60	[Display settings] - [F	Progressive							
	X600					_				
		e currently selected in			•		adal			
		lisplay statuses are a  Menu display statuse		ie table i	Jelow	by III	odei.			
		If the input signals ar signals cannot be pro	re "Compor	•		•				;
	SX50	progressive conversi	ion setting t	o perforn	n prog					
	CVC	When signals from a	progressiv	source	have			. •		
	SX6 SX60	conversion setting ca If the input signals ar	re "Compor	ent" sigr	als of	f any o	of the fo	llowing ty	pes, the	
	X600	signals cannot be pro progressive conversi								
		the menu will change • 1080i • 720p				be gr	ayed ou	t.		
	(Refere	•								
	· 10	80i <sup>°</sup> •720p •480p \	With the SX referencing							
		value can be acquire	•	applicat	ole GE	ET co	mmand.	The sign	ificance	of the
	•	lues is given in the ta refer to the GET com								
	Model	Significance of acqui								
	SX50	Current progressive no conversion)	conversion	processi	ng sta	atus (′	1: conve	ersion und	erway,	0:
	SX60	Setting currently esta	ahlished for	nrogress	sive co	onver	sion			
	X600			p. 09. 00.						
Example	-		This	4- 41-						\
	> PROG=0 < i:OK		Inis	sets the	prog	ressiv	e conve	ersion sett	ing to C	JFF.
	Reference									
	> GET PROG < g:PROG=1	or ?PROG	This stat		s the p	progre	essive c	onversion	proces	ssing
	Acquisition of p	arameters which can	be set							
	> RANGE PR < r:PROG=I,		"0 "	"1" or "2	" can l	be se	lected a	s the prog	gressive	<b>;</b>
	, ,			ersion s				- 13		
	* Commands are	indicated by ">", and res	sponses are	ndicated I	oy "<".					

User Command Specifications 9. Details of command PROG

Command	s SX50	SX6	SX60	X600		
supporte	d 01.00**	01.01**	01.01**	01.01**		
	0	0	0	0		

ſ	Model		owe						Input					Mo	de	Remarks
L		OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	Remarks
I	SX50	×	0	×	×	×	×	0	0	0	-	_	×	0	×	
I	SX6	×	0	×	×	×	×	0	0	0	×	×	×	0	×	
ı	SX60															
ı	X600															

<sup>\*</sup> If the command cannot be supported, 'INVALID\_MODE,' 'NOT\_POWER\_SUPPLIED' or 'INVALID\_SOURCE' is returned as an error response.

\* If the necessary signals are not input, 'INVALID\_SIGNAL (\*\*\*\*\*\*)' or 'NO\_SIGNAL' is returned.

<sup>\* &</sup>quot;i:BUSY" may be returned if the power status is being switched.

User Command Specifications 9. Details of command WB

Commands	WR					l N	lode	Control	Settina	Reference
		or correction								
Format	\MP=/9	Saraan aala	r correction	naramata	:ID>					
Format	VVD-<3	Screen colo	r correction	ı parametei	S:1D>					
Parameter	Screen cold	or correction	parameters	;						
	Parame	eter		Meanir	ıg					
	NORM			Standa						
	ADJUS	NBOARE ST		Blackb Adjust	oard					ID
				•	<u></u>					
	The parame	eters which	can be set a	t any given	point in time	can be obt	aine	d using t	he	
		refer to the	RANGE cor	nmand.						
Pagnanca	"i:OK" in rot	turned if the	naramatarı	vac act prop	orly					
Response		turned if the r responses			CIIY.					
Description		•			Dlookh 1"	on # A ali 4	,"			
Description	rne screen	color correc	ction is set to	o "Normai", "	Biackboard	, or "Adjust				
		e executed	when the pr	ojector is in	both the <b>rem</b>	ote mode	and <sub>l</sub>	power-o	n status	at the
	same ti	ime. y" response	ie aiven whil	e the zoom	or focus lens	e ie heina d	riven			
	-	to the ZCON	•			•		•		
	-2 This co	mmand is th	ne same as t	the menu fu	nctions in the	e table belo	W.			
		odel Menu								
		X50 [Image X6	adjustments	s] - [Screen	color correct	ionj				
	S	K60 [Display	y settings] -	[Screen cold	or correction]					
	X	300								
	-3 When "	'ADJUST" ha	as been sele	ected, adjust	the RGB ad	ljustment v	alues	using th	ne WBR	GB
	comma		·=0:					-		
	-4 When t	the model SX shed.	X50 is used,	the currenti	y selected in	put signal a	and II	mage mo	ode setti	ngs are
		he model SX	X6, SX60 or	X600 is use	d, a set of s	ettings is	estal	olished 1	for the s	system.
		rrent screen ails, refer to			acquired usi	ng the app	licabl	e GET c	omman	d.
	1 or det	ano, reier to	the OLT 60	minana.						
Example	Control > WB=N(				This sets th	o coroon o	olor o	orrootio	a to "No	mol"
	< i:OK	ORIVIAL			11115 5615 111	e scieen c	OIOI C	onection	I LO INO	IIIai .
	Doforana									
	Reference > GET W	/B or ?WB			This retrieve	es the scre	en co	olor corre	ection.	
	< g:WB=0	GREENBOA	ARD							
	Acquisition	of paramete	ers which ca	n be set						
	> RANGE	E WB								
	< r:WB=I	,NORMAL,G	REENBOAF	RD,ADJUST	"NORMAL,"				DJUST	can be
					301 101 1110 8	ce11 CO10	COIL	ecuon.		
		are indicated			indicated by "	<".	1			
Commands supported	SX50 01.00**	SX6 01.01**	SX60 01.01**	X600 01.01**						
,,	0	0	0	0						

Model	F	owe	r					Input					Мо	de	Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	Remarks
SX50	×	0	×	0	0	0	0	0	0	-	_	0	0	×	
SX6	×	0	×	0	0	0	0	0	0	0	0	0	0	×	
SX60															
X600															

<sup>\*</sup> If a command cannot be supported, 'INVALID\_MODE' or 'NOT\_POWER\_SUPPLIED' is returned as an error response.

\* "i:BUSY" may be returned if the power status is being switched.

User Command Specifications 9. Details of command WBRGB

Commands	WRD	<u> </u>				Mc	ode Contro	Setting	Reference					
		or correction	(AD IIIST)			IVIC	odo   Contro	oottiilig	11010101100					
i unction	Screen con	or correction	(AD3031)											
Format		B= <r adjus<="" th=""><th>stment valu</th><th>e: Number&gt;</th><th>·∇<g adjus<="" th=""><th>tment value</th><th>: Number</th><th>•∇<b< th=""><th></th></b<></th></g></th></r>	stment valu	e: Number>	·∇ <g adjus<="" th=""><th>tment value</th><th>: Number</th><th>•∇<b< th=""><th></th></b<></th></g>	tment value	: Number	•∇ <b< th=""><th></th></b<>						
	aujusti	ment value:	Number>											
Parameter	RGB setting	g value (Ead	ch value –20	to 20)										
	The RANG	E command	can be use	d to obtain th	ne paramete	r range that	can be set	at	Nicosia					
	that time.					J			Number					
	For details,	refer to the	RANGE cor	nmand.										
Response			er setting is											
	For all othe	er responses	, refer to "Er	ror List."										
Description	This sets th	correction command (WB), it can be made independently.												
	-1 It can b	ne executed	when the nr	niector is in	hoth the <b>ram</b>	note mode a	nd <b>nower</b> -	on status	at the					
	same ti	ime.	•	•			•	on statut	o at the					
							ven.							
	•	-2 Although this setting is enabled when Adjustment (ADJUST) is selected by the screen color correction command (WB), it can be made independently.												
	correction command (WB), it can be made independently.  -3 This command is the same as the menu functions in the table below.  Model Menu  SX50 [Image adjustments] - [Screen color correction] - [Adjustments]													
		correction command (WB), it can be made independently.  -3 This command is the same as the menu functions in the table below.  Model Menu												
	S													
								_						
			l, the R, G, a X50 is used,					node setti	ings are					
			X6, SX60 or											
			d can be use the GET co		the current	RGB adjusti	ment value	S.						
	For det	alis, reier to	the GET CO	mmanu.										
Example		D-40 44 44	2		This sate D	t- 10 O t-	11 and D 4	- 10						
	< i:OK	B=10, 11, 12	2		This sets R	to 10, G to	11, and B to	0 12.						
	Defere													
	Reference > GET WBRGB or ?WBRGB This retrieves the RGB adjustment values.													
	< g:WBR	GB=-10, 0,	19				,							
	Obtain sett	able parame	eter range (N	lin. Max)										
	> RANGE	E WBRGB	•	,										
	< r:WBR	GB=N,-20,20	0,-20,20,-20	.20		rom -20 to 2 adjustment		et for eac	h color					
					ao ino riol	aajaotiiieiit	raidos.							
Commands	* Commands SX50	s are indicated	by ">", and r	esponses are X600	indicated by "	'<".								
supported		01.01**	01.01**	01.01**										
	0	0	0	0				]						

Model	F	owe	er					Input					Mo	de	Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	Remarks
SX50	×	0	×	0	0	0	0	0	0	-	_	0	0	×	
SX6 SX60 X600	×	0	×	0	0	0	0	0	0	0	0	0	0	×	

<sup>\*</sup> If a command cannot be supported, 'INVALID\_MODE' or 'NOT\_POWER\_SUPPLIED' is returned as an error response.
\* "i:BUSY" may be returned if the power status is being switched.

User Command Specifications 9. Details of command SAT

Commands	SAT					M	lode	Control	Setting	Reference			
Function	Color satura	ration setting  SAT= <color number="" saturation="" setting:="" value=""> ration setting (-20 to 20)  RANGE command can be used to obtain the parameter range that can be set at ime. letails, refer to the RANGE command.  " is returned if the parameter was set properly. lill other responses, refer to "Error List."  sets the screen color saturation.  It can be executed when the projector is in both the remote mode and power-on status at the ame time.  It can be executed when the projector is in both the remote mode and power-on status at the ame time.  It can be executed when the projector is in both the remote mode and power-on status at the ame time.  It can be executed when the projector is in both the remote mode and power-on status at the ame time.  It can be executed when the projector is in both the remote mode and power-on status at the ame time.  It can be executed when the projector is in both the remote mode and power-on status at the ame time.  It can be executed when the projector is in both the remote mode and power-on status at the ame time.  It is be executed when the projector is in both the remote mode and power-on status at the ame time.  It is command is given while the zoom or focus lens is being driven.  Refer to the ZCONTDRV command.  It is command is the same as the menu functions in the table below.  Model Menu  SX50 [Image adjustments] - [Saturation]  SX60  SX60  SX60  Image adjustments] - [Color adjustments] - [Saturation]  This sets the current color saturation to -10.  OK  This sets the color saturation to -10.  OK  This retrieves the color saturation.</color>											
Format	SAT=<0	SAT= <color number="" saturation="" setting:="" value=""> ration setting (-20 to 20)  RANGE command can be used to obtain the parameter range that can be set at time. details, refer to the RANGE command.  "is returned if the parameter was set properly. all other responses, refer to "Error List."  sets the screen color saturation.  t can be executed when the projector is in both the remote mode and power-on status at the same time.  A "busy" response is given while the zoom or focus lens is being driven. (Refer to the ZCONTDRV command and FCONTDRV command.)  Furthermore, it may not be possible to execute the command with some input signals. (This command is the same as the menu functions in the table below.    Model   Menu                                      </color>											
Parameter	Saturation s	AT= <color number="" saturation="" setting:="" value=""> ation setting (-20 to 20)  ANGE command can be used to obtain the parameter range that can be set at me. etails, refer to the RANGE command.  is returned if the parameter was set properly. lother responses, refer to "Error List."  ets the screen color saturation.  can be executed when the projector is in both the remote mode and power-on status at the ame time.  "busy" response is given while the zoom or focus lens is being driven. effer to the ZCONTDRV command and FCONTDRV command.) rethermore, it may not be possible to execute the command with some input signals. his command is the same as the menu functions in the table below.    Model   Menu   SX50   [Image adjustments] - [Saturation]   SX6   SX60   X600   Image adjustments] - [Color adjustments] - [Saturation]   SX6   SX60   SX60   SX60   This sets the current color saturation. or details, refer to the GET command.</color>											
	that time.				he paramete	r range tha	t can	be set a	at	Number			
Response					erly.								
Description	This sets the	screen co	lor saturation	n.									
	same tin A "busy" (Refer to Furthern	SX50 [Image adjustments] - [Saturation] SX6											
	SX SX SX	Model   Menu   SX50   [Image adjustments] - [Saturation]   SX6   SX60   X600   X600   X600											
	-4 The GE	<ul> <li>-3 This sets the currently selected input signal and image mode.</li> <li>-4 The GET command can be used to retrieve the current color saturation.</li> <li>For details, refer to the GET command.</li> </ul>											
Example		Setting  > SAT=-10  This sets the color saturation to –10.											
	> RANGE < r:SAT=N	Obtain settable parameter range (Min, Max)  > RANGE SAT  < r:SAT=N,-20,20  Any value from -20 to 20 can be set for the saturation.  **Commands are indicated by ">", and responses are indicated by "<".											
Commands	SX50	SX6	SX60	X600	maioaica by								
supported	01.00** O	01.01** O	01.01** O	01.01** O									

Model	F	owe	r					Input					Мо	de	Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	INCIIIAINS
SX50	×	0	×	×	×	×	0	0	0	_	_	0	0	×	
SX6	×	0	×	×	×	×	0	0	0	×	×	0	0	×	
SX60															
X600															

<sup>\*</sup> If the command cannot be supported, "INVALID\_MODE," "NOT\_POWER\_SUPPLIED" or "INVALID\_SOURCE" is returned as an error response.

\* If the necessary signals are not input, "INVALID\_SIGNAL (\*\*\*\*\*\*)" or "NO\_SIGNAL" is returned.

\* "I:BUSY" may be returned if the power status is being switched.

User Command Specifications 9. Details of command HUE

Commands	HUE					Mo	ode Control	Setting	Reference			
Function	Hue setting											
Format	HUE=<	Hue setting	yalue:Nur	nber>								
Parameter	Hue setting	(-20 to 20)										
	that time.		can be used		he paramete	r range that	can be set a	at	Number			
Response			parameter v , refer to "Er		erly.							
Description	This sets th	e screen hu	ie.									
	same ti A "busy (Refer t Further -2 This co  Mc S> X6  -3 An inpu -4 This se -5 The GE	me. "response is the ZCON more, it may mmand is the interest of the interest o	is given whill ITDRV common to be possible same as to adjustments adjustments adjustment bequired when the selected discount of the selected disco	e the zoom mand and F sible to exec the menu ful  ightharpoonup in "VIDEO" of input signa did to retrieve	or focus lens CONTDRV coute the com nctions in the djustments] - or "S-VIDEO" I and image the current	s is being dr command.) mand with s e table below [Hue]	iven. some input s v.		at the			
Example	-5 The GET command can be used to retrieve the current hue. For details, refer to the GET command.  Setting > HUE=8											
	Reference > GET HUE or ?HUE < g:HUE=1											
	> RANGE < r:HUE=	E HUE N,-20,20	eter range (M	,	Any value f		0 can be se	t for the	hue.			
Commands	SX50	SX6	SX60	X600	,							
supported	01.00** O	01.01** O	01.01** O	01.01** O				}				

Mo	odel	F	owe	r					Input					Mo	de	Remarks
		OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	Remarks
67	X50	×		v	×	×	×	0	-	-			0		×	
3/	<b>A</b> 50	^	O	^	^	^	^	1	0	0	_	_	×	O	^	
S	X6							0	-	-			0			
S	X60	×	0	×	×	×	×				×	×		0	×	
Xe	600							-	0	0			×			

<sup>\*</sup> If the command cannot be supported, 'INVALID\_MODE,' 'NOT\_POWER\_SUPPLIED' or 'INVALID\_SOURCE' is returned as an error response.
\* If the necessary signals are not input, 'INVALID\_SIGNAL (\*\*\*\*\*)' or 'NO\_SIGNAL' is returned.

<sup>\* &</sup>quot;i:BUSY" may be returned if the power status is being switched.

User Command Specifications 9. Details of command RGBGAIN

Commands	RGBG/	AIN					Mode	Control	Setting Reference					
Function	RGB gain ad	RGBGAIN= <r gain="" number="" setting:=""> ∇ ⟨ G gain setting: Number&gt; ∇ ⟨ B gain setting: Number&gt; gain settings (from -20 to 20 for each value)  RANGE command can be used to obtain the parameter range that can be set at that time. Number details, refer to the RANGE command.  ⟨ "is returned if the parameter was set properly. all other responses, refer to "Error List."  command is used to adjust the gain of the R, G and B colors.  It can be executed when the projector is in both the remote mode and power—on status at the same time.  However, a "busy" response is given while the zoom or focus lens is being driven.  ( Refer to the ZCONTDRV command and FCONTDRV command. )  This command functions in the same way as when "Image adjustments" – "Color adjustments" – "Red/green/blue gain" are selected on the menu.  This sets the currently selected input signal and image mode.  The current RGB gain values can be obtained using the GET command.  For details, refer to the GET command.  The R gain is set to 10, G gain to 11 and B gain to 12.  ⟨ i:OK  rence ⟩ GET RGBGAIN or ?RGBGAIN  The RGB gain values are obtained.</r>												
Format	RGBGA	B gain adjustment  RGBGAIN= <r gain="" number="" setting:=""> ∇ &lt; G gain setting: Number&gt; ∇ &lt; B gain setting: Number&gt; □  B gain settings (from -20 to 20 for each value)  B gain settings (from -20 to 20 for each value)  B gain settings (from -20 to 20 for each value)  B gain settings (from -20 to 20 for each value)  B gain settings (from -20 to 20 for each value)  B gain settings (from -20 to 20 for each value)  B gain settings (from -20 to 20 for each value)  B gain settings (from -20 to 20 for each value)  B gain settings (from -20 to 20 for each value)  B gain setting: Number&gt; ▼</r>												
Parameter	RGB gain se	B gain adjustment  RGBGAIN= <r gain="" number="" setting:=""> ∇ ⟨ gain setting: Number&gt; ∇ ⟨ B gain setting: Number&gt; □  B gain settings (from −20 to 20 for each value)  B gain settings (from −20 to 20 for each value)  B gain settings (from −20 to 20 for each value)  B gain settings (from −20 to 20 for each value)  B gain settings (from −20 to 20 for each value)  B gain settings (from −20 to 20 for each value)  B gain settings (from −20 to 20 for each value)  B gain settings (from −20 to 20 for each value)  B gain settings (from −20 to 20 for each value)  B gain settings (from −20 to 20 for each value)  B gain settings (from −20 to 20 for each value)  B gain settings (from −20 to 20 for each value)  B gain settings (from −20 to 20 for each value)  B gain settings (from −20 to 20 for each value)  B gain settings (from −20 to 20 for each value)  B gain settings (from −20 to 20 for each value)  B gain settings (from −20 to 20 for each value)  B gain setting (from −20 to 20 for each value)  B gain settings (from −20 to 20 for each value)  Number  Number  Number  Number  P (gain settings (from −20 to 20 for each value)  Number  Numb</r>												
		RGB gain adjustment  RGBGAIN=⟨R gain setting: Number⟩∇⟨G gain setting: Number⟩∇⟨B gain setting: Number⟩  RGB gain settings (from −20 to 20 for each value)  RG												
Description	This comma													
	For all other responses, refer to "Error List."  This command is used to adjust the gain of the R, G and B colors.  (1) It can be executed when the projector is in both the <b>remote mode</b> and <b>power—on</b> status at the same time.  However, a "busy" response is given while the zoom or focus lens is being driven.  ( Refer to the ZCONTDRV command and FCONTDRV command. )  (2) This command functions in the same way as when "Image adjustments" – "Color adjustments" – "Red/green/blue gain" are selected on the menu.  (3) This sets the currently selected input signal and image mode.  (4) The current RGB gain values can be obtained using the GET command.  For details, refer to the GET command.  Setting  > RGBGAIN=10, 11, 12  The R gain is set to 10, G gain to 11 and B gain to 12.  < i:OK													
Example	> RGBG	AIN=10, 11, 1	12		The R gain is	s set to 10, (	G gain to	11 and E	3 gain to 12.					
					The RGB ga	in values are	obtaine	d.						
	> RANG < r:RGB	E RGBGAIN	20,-20,20,-20	0,20	the RGB gai		) can be	set for e	ach color as					
Commands	SX50	SX6	SX60	X600	cated by \.									
supported	01. 00**	01. 01**	01. 01**	01. 01**										
	When a comm	O and is not sum	O	O	MMAND" is re	tuun a d								

				Ottatoo											
Model	Pow	er sı	pply					Input					Мо	de	Remarks
	OFF	ON	РМ	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	Remarks
SX50	_	-	_	_	_	_	_	_	_	_	_	-	_	_	
SX6	×	0	×	0	0	0	0	0	0	0	0	0	0	×	
SX60															
X600															

<sup>\*</sup>If a state is not supported, "INVALID\_MODE" or "NOT\_POWER\_SUPPLIED" is returned with the Err response.

<sup>\*</sup>When the power supply state is in the process of switching, an "i:BUSY" reply may be sent.

User Command Specifications 9. Details of command RGBOFFSET

Commands	RGBOI	FFSET					Mode	Control	Setting Reference				
Function	RGB offset a	offset adjustment  RGBOFFSET=⟨R offset setting: Number⟩∇⟨G offset setting: Number⟩∇⟨B offset setting: Number⟩  offset settings (-20 to 20 for each value)  RANGE command can be used to obtain the parameter range that can be set at that time. In the parameter to the RANGE command.  ("is returned if the parameter was set properly. In other responses, refer to "Error List."  command is used to adjust the offset of the R, G and B colors.  It can be executed when the projector is in both the remote mode and power—on status at the same time. However, a "busy" response is given while the zoom or focus lens is being driven.  ( Refer to the ZCONTDRV command and FCONTDRV command. )  This command functions in the same way as when "Image adjustments" – "Color adjustments" – "Red/green/blue offset" are selected on the menu.  This sets the currently selected input signal and image mode. The current RGB offset values can be obtained using the GET command. For details, refer to the GET command.  The R offset is set to 10, G offset to 11 and B offset to 12. (EOK)  The R offset values are obtained. (S RGBOFFSET or RRGBOFFSET or RRGBOFFS											
Format		Be offset adjustment  RGBOFFSET= <r number="" offset="" setting:=""> ∇<b number="" offset="" setting:=""> □ Be offset setting: Number&gt; Be offset settings (-20 to 20 for each value)  RANGE command can be used to obtain the parameter range that can be set at that time.  Number of details, refer to the RANGE command.  It can be executed when the projector is in both the remote mode and power—on status at the same time.  However, a "busy" response is given while the zoom or focus lens is being driven.  (Refer to the ZCONTDRV command and FCONTDRV command.)  This command functions in the same way as when "Image adjustments" – "Color adjustments" – "Red/green/blue offset" are selected on the menu.  This sets the currently selected input signal and image mode.  The current RGB offset values can be obtained using the GET command.  For details, refer to the GET command.  The R offset is set to 10, G offset to 11 and B offset to 12.  (ROBOFFSET=10, 11, 12 The R offset is set to 10, G offset to 11 and B offset to 12.  (ROBOFFSET=10, 11, 12 The RGB offset values are obtained.  (ROBOFFSET=10, 0, 19</b></r>											
Parameter	RGB offset												
Response													
	For all other	responses, r	refer to "Err	or List."									
Description	This comma	nd is used to	adjust the o	ffset of the	R, G and B co	olors.							
	However, a "busy" response is given while the zoom or focus lens is being driven.  ( Refer to the ZCONTDRV command and FCONTDRV command. )  (2) This command functions in the same way as when "Image adjustments" – "Color adjustments" – "Red/green/blue offset" are selected on the menu.  (3) This sets the currently selected input signal and image mode.  (4) The current RGB offset values can be obtained using the GET command.  For details, refer to the GET command.  Setting  > RGBOFFSET=10, 11, 12  The R offset is set to 10, G offset to 11 and B offset to 12.												
Example	> RGBO	Setting  > RGBOFFSET=10, 11, 12  The R offset is set to 10, G offset to 11 and B offset to 12.											
	Obtain settable parameter range (Min, Max) > RANGE RGBOFFSET												
	< r:RGBOFFSET=N,-20,20,-20,20,-20,20 A number from -20 to 20 can be set for each color as the RGB offset values. *Commands are indicated by ">", and responses are indicated by "<".												
Commands	*Commands a SX50	re indicated by SX6	y > , and resp	X600	icated by < .								
				,,,,,,	ı	1	1						
supported	01. 00**	01. 01**	01. 01**	01. 01**									

				Ottatoo											
Model	Pow	er sı	pply					Input					Мо	de	Remarks
	OFF	ON	РМ	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	Remarks
SX50	_	-	_	_	_	_	_	_	_	_	_	-	_	_	
SX6	×	0	×	0	0	0	0	0	0	0	0	0	0	×	
SX60															
X600															

<sup>\*</sup>If a state is not supported, "INVALID\_MODE" or "NOT\_POWER\_SUPPLIED" is returned with the Err response.

<sup>\*</sup>When the power supply state is in the process of switching, an "i:BUSY" reply may be sent.

User Command Specifications 9. Details of command ACADJUST

Commands	ACADJUST Mode Control Setting Reference
Function	Advanced color adjustment
Format	ACADJUST= <advanced adjustment="" color="" parameter:id=""></advanced>
Parameter	Advanced color adjustment parameters    Parameter   Meaning
Response	"i:OK" is returned if the parameter was set properly. For all other responses, refer to "Error List."
Description	<ul> <li>The advanced color correction method is set by selecting from "No correction", "Low to High memory color correction", and "6-axis adjustment".</li> <li>-1 It can be executed when the projector is in both the <b>remote mode</b> and <b>power-on</b> status at the same time. <ul> <li>A "busy" response is given while the zoom or focus lens is being driven.</li> <li>(Refer to the ZCONTDRV command and FCONTDRV command.)</li> <li>-2 This command is identical to the Color balance function in the Image adj. menu.</li> <li>-3 In the case of "6-axis adjustment," set the hue and color saturation of each axis using the 6AXR to Y "6-axis correction R to Y hue/color saturation setting" commands.</li> <li>-4 This sets the currently selected input signal and image mode.</li> <li>-5 The GET command can be used to retrieve the current color compensation method. For details, refer to the GET command.</li> </ul> </li> </ul>
Example	Control  > ACADJUST=MEM_M  The color correction is set to "Medium memory color adjustment".  < i:OK  Reference  > GET ACADJUST or ?ACADJUST  < g:ACADJUST=6AX  Acquisition of parameters which can be set  > RANGE ACADJUST  < r:ACADJUST=I,NOCORRECT,MEM_L,MEM_M,MEM_H,6AX "NO CORRECT," "MEM_L," "MEM_M," "MEM_H" or "6AX" can be set as the color correction method.  * Commands are indicated by ">", and responses are indicated by "<".
Commands supported	SX50 SX6 SX60 X600

Model	F	owe	r					Input					Мо	de	Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	IXCIIIAINS
SX50	×	0	×	×	×	×	0	0	0	-	-	0	0	×	
SX6	-	-	_	-	-	_	1	-	-	-	-	_	_	1	
SX60															
X600															

<sup>\*</sup> If a command cannot be supported, 'INVALID\_MODE' or 'NOT\_POWER\_SUPPLIED' is returned as an error response.
\* If the necessary signals are not input, 'INVALID\_SIGNAL (\*\*\*\*\*)' or 'NO\_SIGNAL' is returned.
\* "i:BUSY" may be returned if the power status is being switched.

User Command Specifications 9. Details of command MEMCADJ

Commands	MEMC	ADJ					Mode	Control	Setting Reference				
Function	Memory cold	or adjustmen	t										
Format	MEMCA	\DJ= <memor< th=""><th>y color adju</th><th>stment para</th><th>meter:ID&gt;</th><th></th><th></th><th></th><th></th></memor<>	y color adju	stment para	meter:ID>								
Parameter	Memory cold	or adjustment	t narameters										
i ai ai i i o coi													
	Paramet		aning										
	OFF MEM L		adjustment										
	MEM M		memory col										
	MEM H		n memory co						ID				
	IVI EIVI_II	l ligi	1 momory co	ior adjustino									
	RANGE com				nt in time car	n be obtained	l using th	he					
Response	"i.OK" is not	DK" is returned if the parameter was set properly.											
Response		OK" is returned if the parameter was set properly.  or all other responses, refer to "Error List."											
		or all other responses, refer to Littor List.											
Description	This comma	nis command is used to select no adjustment (OFF), low (MEM_L), medium (MEM_M) or high (MEM_H) as											
		his command is used to select no adjustment (OFF), low (MEM_L), medium (MEM_M) or high (MEM_H) as the memory color adjustment setting.											
	time. Howeve	It can be executed when the projector is in both the <b>remote mode</b> and <b>power-on</b> status at the same											
	4							,					
					vhen "Image	adjustments <sup>′</sup>	′ – ″Men	nory colo	or				
	-	ent" are sele											
					nd image mo								
		-	-	_	can be obtain	ned using the	e GET co	ommand.					
	For deta	ails, refer to t	the GET CO	mmand.									
F	0												
Example		DJ=MEM_M			The color ac	ljustment is s	set to "N	Medium m	nemory color				
	< i:OK				adjustment"				·				
	Reference												
		MCADJ or ?	MEMCADJ		The memory	color adjust	ment lev	el is obt	ained.				
	< g:MEMC	ADJ=MEM_M	1										
	Acquisition (	of parameters	s which can l	ne set									
		MEMCADJ	on oull l										
		ADJ=I,OFF,N	IEM L.MEM N	и.мем н	No adjustme	nt (OFF), lov	, (MEM I	I) mediu	m (MEM M)				
			- ' -	, -	· ·								
		or high (MEM_H) can be set for the memory color adjustment.											
	*Commands a	re indicated by	/ ">", and resp	onses are ind	icated by "<".								
Commands	SX50	SX6	SX60	X600									
supported	01. 00**	01. 01**	01. 01**	01. 01**									
	×	0	0	0									
	When a comm	and is not sup	ported, "e:000	2 INVALID_CC	MMAND" is re	turned.							

Suppor															
Model	Pow	er sı	pply					Input					Mo	de	Remarks
	OFF	ON	РМ	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	Remarks
SX50	_	-	_	_	_	_	_	_	_	_	_	-	_	_	
SX6	×	0	×	0	0	0	0	0	0	0	0	0	0	×	
SX60															
X600															

<sup>\*</sup>If a state is not supported, "INVALID\_MODE" or "NOT\_POWER\_SUPPLIED" is returned with the Err response.

<sup>\*</sup>When the power supply state is in the process of switching, an "i:BUSY" reply may be sent.

User Command Specifications 9. Details of command 6AXADJ

Commands	6AXAD	J					Mode	Control	Settin	g Reference	
Function	6-axis adjus	tment ON/O	FF								
Format	6AXAD	J=<6−axis ad	ljustment pa	rameter:ID	<b>,</b>						
Parameter	ON OFF The paramet RANGE com	This set	s the 6-axis s the 6-axis an be set at a	adjustment		n be obtained	l using tl	he		ID	
Response	"i:OK" is ret For all other	urned if the responses, r			rly.						
Description	(1) It can be time. Howevel ( Refe (2) In the c: Y "6-ax (3) This cor selected (4) This set	e executed war, a "busy" reer to the ZC ase of "6-axi is correction mand function the mening the current	when the projections in the saturations in the saturation.	ven while the command at," set the hi color saturate way as we nput signal a betting can be	th the remote zoom or for and FCON ue and color scition setting when "Image no obtained using the color setting of	the mode and the sus lens is be FDRV communities adjustments de.	eing drive mand. each ax	en. ) is using t xis adjust	he 6A>	(R to	
Example	Control  > 6AXADJ=ON										
Commands supported	SX50 01. 00** ×	SX6 O1. O1** O and is not sup	SX60 01. 01**	X600 01. 01**	MMAND" is re	turned.					

Support	.eu c	OIIII	Hariu	States											
Model								Input					Мо	de	Remarks
	OFF	ON	РМ	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	Romarks
SX50	_	_	_	_	_	_	-	_	_	_	_	_	_	_	
SX6	×	0	×	0	0	0	0	0	0	0	0	0	0	×	
SX60															
X600															

<sup>\*</sup>If a state is not supported, "INVALID\_MODE" or "NOT\_POWER\_SUPPLIED" is returned with the Err response.

<sup>\*</sup>When the power supply state is in the process of switching, an "i:BUSY" reply may be sent.

9. Details of command 6AXR-Y User Command Specifications

Commands	6AXR-Y Mode Control Setting Re	eference									
Function	6-axis correction R-Y hue/saturation settings										
Format	6AXR= <r hue:="" number="">∇<r number="" saturation:=""> 6AXG=<g hue:="" number="">∇<g number="" saturation:=""> 6AXB=<b hue:="" number="">∇<b number="" saturation:=""> 6AXC=<c hue:="" number="">∇<c number="" saturation:=""> 6AXM=<m hue:="" number="">∇<m number="" saturation:=""> 6AXY=<y hue:="" number="">∇<y number="" saturation:=""></y></y></m></m></c></c></b></b></g></g></r></r>										
Parameter	Setting values for hue and color saturation (–20 to 20) <a "error="" all="" for="" href="mailto:&lt;/th&gt;&lt;th&gt;Number&lt;/th&gt;&lt;/tr&gt;&lt;tr&gt;&lt;th&gt;Response&lt;/th&gt;&lt;th&gt;" i:ok"="" if="" is="" list."<="" other="" parameter="" properly.="" refer="" responses,="" returned="" set="" th="" the="" to="" was=""><th></th></a>										
Description	This sets the 6-axis correction of the hue and color saturation for R to Y.  -1 It can be executed when the projector is in both the <b>remote mode</b> and <b>power-on</b> status at same time.  A "busy" response is given while the zoom or focus lens is being driven. (Refer to the ZCONTDRV command and FCONTDRV command.)  -2 These commands take effect when 6-axis adjustment (6AX) has been selected by the advanced color adjustment command (ACADJUST) or when they have been set to valid us the 6-axis adjustment command (6AXADJ), and they can be set separately.  -3 This command is the same as the menu functions in the table below.    Model   Menu	sing s]									
Example	Setting  > 6AXR=-8, 5  < i:OK  Reference  > GET 6AXR or ?6AXR  < g:6AXR=12, -8  Obtain settable parameter range (Min, Max)  > RANGE 6AXC  < r:6AXC=N,-20,20,-20,20  Any value from -20 to 20 can be set for the hue and saturation of the C (cyan) color.  * Commands are indicated by ">", and responses are indicated by "<".										
Commands supported	SX50 SX6 SX60 X600										

Model	F	owe	r					Input					Мо	de	Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	Remarks
SX50	×	0	×	0	0	0	0	0	0	-	_	0	0	×	
SX6	×	0	×	0	0	0	0	0	0	0	0	0	0	×	
SX60															
X600															

<sup>\*</sup> If a command cannot be supported, 'INVALID\_MODE' or 'NOT\_POWER\_SUPPLIED' is returned as an error response.
\* "i:BUSY" may be returned if the power status is being switched.

User Command Specifications 9. Details of command LAMP

Commands	LAMP	)					Mode	Control	Setting	Reference	
Function	Lamp outpu	ut setting									
Format	LAMP=	- <lamp out<="" p=""></lamp>	put setting	parameters	::ID>						
Parameter	Param NORM SILEI		cooling	t any given <sub>l</sub>	point in time	can be c	obtaine	d using t	he	ID	
	RANGE co For details,	mmand. refer to the	RANGE cor	nmand.							
Response		turned if the r responses	•		erly.						
Description	quantity ap  -1 It can b same ti A "busy (Refer t -2 This co	propriate for the executed sime.  "response to the ZCON simmand is the code   Menu (550   [Image X6 (60 )]   [Image S00   [Image S00 ]]	when the province same as to adjustments adjustments utput can be	ng).  pojector is in let the zoom mand and Found for the menu fur  point [Lamp man] - [Lamp man] acquired us	both the rem or focus lens CONTDRV conctions in the ode]	s is being commande table be	de and g driven d.) elow.	power-o			
Example		:NORMAL		The	e lamp outpu	it is set to	o "NOR	MAL".			
	> GET LAMP or ?LAMP This retrieves the lamp output. < g:LAMP=SILENT  Acquisition of parameters which can be set										
	> RANGE < r:LAMP * Commands	E LAMP P=I, NORMA s are indicated	L, SILENT	"NC	DRMAL" or "		can be	e set for t	the lamp	output.	
Commands supported	SX50 01.00**	SX6 01.01** O	SX60 01.01**	X600 01.01**							

Model	F	owe	r					Input					Mo	de	Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	Remarks
SX50	×	0	×	0	0	0	0	0	0	_	_	0	0	×	
SX6	×	0	×	0	0	0	0	0	0	0	0	0	0	×	
SX60															
X600															

<sup>\*</sup> If a command cannot be supported, 'INVALID\_MODE' or 'NOT\_POWER\_SUPPLIED' is returned as an error response.
\* "i:BUSY" may be returned if the power status is being switched.

User Command Specifications 9. Details of command RESET

Commands	RESET Mode Control Setting F	Reference
Function	Reset	
Format	RESET□ <reset parameters:id=""></reset>	
Parameter	Reset parameters	
	Parameter Meaning	
	LAMPTIME Lamp on time reset  IMAGE Current image adjustment reset	ID
	SYSTEM Initial system settings	
	ALL  Factory settings	
Response	An 'i:OK' is returned when the reset process is successful.	
	Furthermore, the internal status established when a response other than the normal response ("i:OK") has been returned is indeterminate.	•
	For all other responses, refer to "Error List."	
Description	This resets the projector settings.	
	-1 It can be executed when the projector is in both the <b>remote mode</b> and <b>power-on</b> status a	at the
	same time.  A "busy" response is given while the zoom or focus lens is being driven.	
	(Refer to the ZCONTDRV command and FCONTDRV command.) -2 What can be specified by the reset parameters for each "reset type" is provided below.	
	Reset of lamp on time	
	<ul><li>(a) The counter indicating the lamp replacement period is reset.</li><li>(b) This command is identical to the Reset function under Lamp counter in the Syster</li></ul>	m
	settings menu.	111
	(c) Execute this command after replacing the lamp.	
	■ Current image adjustment reset	
	<ul><li>(a) The adjustment settings of the currently-selected image mode are initialized.</li><li>(b) This command is identical to the Reset function in the Image adj. menu.</li></ul>	
	※ If there is an input signal, the image adjustment items are initialized and then the	
	adjustment values are optimized for the signal.	
	■ Reset of system settings	
	(a) The following items are initialized.     - Image adjustment items (all image modes)	
	- Initial settings executed	
	* For details, refer to 'RESET items' at the end of these specifications.  (b) This command works in the same way as the menu [System settings] - [Initial sett	tings]
	function.	
	■ Factory settings	
	(a) The following items are initialized.     - Image adjustment items (all image modes)	
	- Initial settings executed	
	- Input source <-A-RGB2 - Language <- English	
	* For details, refer to 'RESET items' at the end of these specifications.	
	-3 Notes	
	<ul> <li>(a) The power must never be turned off while this command is being executed!</li> <li>(b) After the 'Factory settings,' be absolutely sure to turn the power off and then resta</li> </ul>	art
	(c) 'NO_SIGNAL' may be returned as the response to the command after 'Current image	
	adjustment reset' or 'System initial setting' has been executed.	
Example		
	> RESET LAMPTIME This resets the lamp on time. < i:OK	
Commands	* Commands are indicated by ">", and responses are indicated by "<".  SX50 SX6 SX60 X600	
supported	<u>01.00**</u>	

			_		-										
Model	F	owe	er	D-RGB   A-RGB1   A-RGB   O O O O O				Input					Мо	de	Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	Remarks
SX50	×	0	×	0	0	0	0	0	0	_	_	0	0	×	
SX6	×	0	×	0	0	0	0	0	0	0	0	0	0	×	
SX60															
X600															

<sup>\*</sup> If a command cannot be supported, 'INVALID\_MODE' or 'NOT\_POWER\_SUPPLIED' is returned as an error response.
\* "i:BUSY" may be returned if the power status is being switched.

User Command Specifications 9. Details of command VKS/HKS

Commands	VKS/HKS Mode Control Setting Reference											
Function	/ertical/Horizontal keystone setting											
Format	VKS= <vertical distortion="" keystone="" number="" value:=""> HKS=<horizontal distortion="" keystone="" number="" value:=""></horizontal></vertical>											
Parameter	/ertical/horizontal keystone distortion values											
	The RANGE command can be used to obtain the parameter range that can be set at hat time.  For details, refer to the RANGE command.											
Response	i:OK" is returned if the parameter was set properly.  For all other responses, refer to "Error List."											
Description	his sets the vertical and horizontal keystones.											
	> VKS=-23 This sets the vertical keystone to –23.											
Example												
	> HKS=10 This sets the horizontal keystone to 10. < i:OK											
	Reference > GET VKS or ?VKS This retrieves the vertical keystone. < g:VKS=-23											
	> GET HKS or ?HKS  This retrieves the horizontal keystone.  < g:HKS=-23											
	Obtain settable parameter range (Min, Max) > RANGE HKS											
	< r:HKS=N,-30,30 Any value from -30 to 30 can be set for the horizontal keystone distortion.											
0	Commands are indicated by ">", and responses are indicated by "<".											
Commands supported	SX50 SX6 SX60 X600 01.00** 01.01** 01.01** 01.01**											
	0 0 0 0											

Model	F	owe	r					Input					Mo	de	Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	INCIIIAINS
SX50	×	0	×	0	0	0	0	0	0	-	-	×	0	×	
SX6	×	0	×	0	0	0	0	0	0	0	0	0	0	×	
SX60															
X600															

<sup>\*</sup> If a command cannot be supported, 'INVALID\_MODE' or 'NOT\_POWER\_SUPPLIED' is returned as an error response.

<sup>\*</sup> If the necessary signals are not input, 'NO\_SIGNAL' is returned.
\* "i:BUSY" may be returned if the power status is being switched.

User Command Specifications 9. Details of command AVOL

Commands	AVOL					1	Mode Contro	Setting	Reference				
Function	Audio volum	ne adjustme	ent				·						
Format	AVOL=	<audio th="" vol<=""><th>ume level: I</th><th>Number&gt;</th><th></th><th></th><th></th><th></th><th></th></audio>	ume level: I	Number>									
Parameter	Audio volum	ne level (0 to	0 20)										
	that time.		can be used		ne paramete	r range th	at can be set	at	Number				
Response	"i:OK" is reto For all other		parameter v , refer to "Er		erly.								
Description	This adjusts	the volume	9.										
	same tir A "busy (Refer tr -2 The fina -3 This cor  SX SX SX -4 The volu -5 The GE	This adjusts the volume.  1 It can be executed when the projector is in both the <b>remote mode</b> and <b>power-on</b> status at the same time.  A "busy" response is given while the zoom or focus lens is being driven. (Refer to the ZCONTDRV command and FCONTDRV command.)  2 The final beep sound setting is retained even when the power is turned off.  3 This command has the same function as the buttons listed in the table below.    Model   Button       SX50   VOL+' and 'VOL-' on the remote control     SX60   SX60   VOL' on the remote control     A The volume level can be set even while the sound is muted, but the sound will remain muted.  5 The GET command can be used to retrieve the current volume. For details, refer to the GET command.											
Example	_	> AVOL=18 This sets the volume to 18.											
	Reference > GET AVOL or ?AVOL This retrieves the volume. < g:AVOL=18												
	> RANGE < r:AVOL	Obtain settable parameter range (Min, Max)  > RANGE AVOL  < r:AVOL=N,0,20  Any value from 0 to 20 can be set for the volume level.											
Commands		are indicated	by ">", and re	esponses are X600	indicated by "	'<".		T					
supported		01.01**	01.01**	01.01** O				-					
								_					

Ouppoi	icu ·	COII	IIIIai	iu State	3										
Model	F	Powe	er					Input					Mo	de	Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	Remarks
SX50	×	0	×	0	0	0	0	0	0	-	_	0	0	×	
SX6	×	0	×	0	0	0	0	0	0	0	0	0	0	×	
SX60															
X600															

<sup>\*</sup> If a command cannot be supported, 'INVALID\_MODE' or 'NOT\_POWER\_SUPPLIED' is returned as an error response.
\* "i:BUSY" may be returned if the power status is being switched.

User Command Specifications 9. Details of command MUTE

Commands	MUTE					Mo	ode Contro	Setting	Reference				
Function	Mute contro	ol											
Format	MUTE=	<mute conf<="" th=""><th>trol parame</th><th>ter: ID&gt;</th><th></th><th></th><th></th><th></th><th></th></mute>	trol parame	ter: ID>									
Parameter	Mute contro	ol parameter											
	ON OFF	This ret	rns off the au	dio/beep sou	und to its ori				ID				
	RANGE col For details,	mmand. refer to the	RANGE con	nmand.	point in time	can be obta	nined using	the					
Response	"i:OK" is ret For all othe		parameter v , refer to "Er		erly.								
Description	-1 It can b same ti A "busy (Refer t -2 The mu -3 This co -4 Mute co	This command is used to set the sound output muting to ON or OFF.  1 It can be executed when the projector is in both the <b>remote mode</b> and <b>power-on</b> status at the same time.  A "busy" response is given while the zoom or focus lens is being driven. (Refer to the ZCONTDRV command and FCONTDRV command.)  2 The mute setting is always "OFF" when the power has just been turned on.  3 This command is identical to pressing the MUTE button on the remote control.  4 Mute control enables simultaneous control of the audio and beep sound.  5 The current muting status can be acquired using the applicable GET command.  For details, refer to the GET command.											
Example	Setting > MUTE= < i:OK	ON:			This mutes	the volume.							
	Reference > GET M < g:MUT	UTE or ?MU E=ON	ITE		This retriev	es the volun	ne state.						
	> RANGE < r:MUTE	E MUTE E=I,ON, OF			"ON" or "OI indicated by "	FF" can be s	set for mutin	ng control					
Commands supported		SX6 01.01**	SX60 01.01**	X600 01.01**	_								
	0	0	0	0				1					

Model	F	owe	r					Input					Мо	de	Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	INCIIIAINS
SX50	×	0	×	0	0	0	0	0	0	_	_	0	0	×	
SX6	×	0	×	0	0	0	0	0	0	0	0	0	0	×	
SX60															
X600															

<sup>\*</sup> If a command cannot be supported, 'INVALID\_MODE' or 'NOT\_POWER\_SUPPLIED' is returned as an error response.
\* "i:BUSY" may be returned if the power status is being switched.

User Command Specifications 9. Details of command BVOL

Commands	BVOL					Me	ode Control	Setting	Reference				
Function	BEEP soun	d setting											
Format	BVOL=	<beep sou<="" th=""><th>nd setting:</th><th>Number&gt;</th><th></th><th></th><th></th><th></th><th></th></beep>	nd setting:	Number>									
Parameter	Beep sound	d setting											
	Parame 0 1	BEEP S	g sound mute sound output	t					ID				
	RANGE co	mmand.	can be set a		point in time	can be obta	iined using t	he					
Response	"i:OK" is ret For all othe		parameter v , refer to "Er		erly.								
Description	-1 It can b same ti A "busy (Refer t -2 This co -3 The bed sound co	This sets the BEEP sound output.  -1 It can be executed when the projector is in both the <b>remote mode</b> and <b>power-on</b> status at the same time.  A "busy" response is given while the zoom or focus lens is being driven. (Refer to the ZCONTDRV command and FCONTDRV command.)  -2 This command is identical to the Beep function in the System settings menu.  -3 The beep sound can be set even while the sound is muted, but it will not sound even if (beep sound output) has been set.  -4 The current beep sound output status can be acquired using the applicable GET command. For details, refer to the GET command.											
Example	Setting > BVOL= < i:OK	0			This mutes	the BEEP s	ound.						
	_	Reference > GET BVOL or ?BVOL This retrieves the BEEP sound output state. < g:BVOL=1											
	> RANGE < r:BVOL	Acquisition of parameters which can be set  > RANGE BVOL  < r:BVOL=I, 0, 1 "0" or "1" can be selected as the beep sound setting.  Commands are indicated by ">", and responses are indicated by "<".											
Commands supported	SX50	SX6 01.01**	SX60 01.01**	X600 01.01**	,								
	0	0	0	0									

Mod	lel	F	owe	r					Input					Мо	de	Remarks
		OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	Remarks
SX5	50	×	0	×	0	0	0	0	0	0	_	_	0	0	×	
SX	6	×	0	×	0	0	0	0	0	0	0	0	0	0	×	
SX6	60															
X60	00															

<sup>\*</sup> If a command cannot be supported, 'INVALID\_MODE' or 'NOT\_POWER\_SUPPLIED' is returned as an error response.
\* "i:BUSY" may be returned if the power status is being switched.

User Command Specifications 9. Details of command IMAGEFLIP

Commands	IMAGI	EFLIP				M	ode Cor	ntrol Settin	Reference				
Function	Flip display												
Format	IMAGE	FLIP= <ima< th=""><th>ge flip settir</th><th>ng paramet</th><th>ers :ID&gt;</th><th></th><th></th><th></th><th></th></ima<>	ge flip settir	ng paramet	ers :ID>								
Parameter	Image flip s	etting paran	neters										
	Pai	rameter	Meani	ng	Rem	arks							
	N	IONE	None										
		EILING	Ceiling	Flip	horizontally								
		REAR	Rear		vertically				ID.				
	REAR	_CEILING	Rear ceiling	g Flip	horizontally	and vertica	ally		ID				
	RANGE cor	mmand.	can be set a	, ,	point in time	can be obta	ained usi	ng the					
Response			parameter w , refer to "En		erly.								
Description	This comma	and is used	to flip the sc	reen display	in various w	ays (vertica	ally or ho	rizontally).					
	This command is used to flip the screen display in various ways (vertically or horizontally).  -1 It can be executed when the projector is in both the <b>remote mode</b> and <b>power-on</b> status at the same time.  A "busy" response is given while the zoom or focus lens is being driven. (Refer to the ZCONTDRV command and FCONTDRV command.)  -2 This command is the same as the menu functions in the table below.    Model   Menu												
Example	> IMAGE	FLIP=REAR	R			s displays th ically) on th			s (flip				
	< i:OK Reference > GET IMAGEFLIP or ?IMAGEFLIP < g:IMAGEFLIP=REAR_CEILING Acquisition of parameters which can be set > RANGE IMAGEFLIP=I,NONE,CEILING,REAR,REAR_CEILING "NONE," "CEILING," "REAR" or "REAR CEILING" can be selected as the flip display setting.												
		:FLIP=I,NONI	,,	, _	CEI		be select						
	< r:IMAGE	,		, <u> </u>	CEII disp	lay setting.	be select						
Common in	< r:IMAGE  * Commands	are indicated	I by ">", and re	esponses are	CEI	lay setting.	be select						
Commands supported	< r:IMAGE	,		, <u> </u>	CEII disp	lay setting.	be select						

Model	F	owe	r					Input					Mo	de	Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	IXCIIIAINS
SX50	×	0	×	0	0	0	0	0	0	-	_	0	0	×	
SX6	×	0	×	0	0	0	0	0	0	0	0	0	0	×	
SX60															
X600															

<sup>\*</sup> If a command cannot be supported, 'INVALID\_MODE' or 'NOT\_POWER\_SUPPLIED' is returned as an error response.

<sup>\* &</sup>quot;i:BUSY" may be returned if the power status is being switched.

User Command Specifications 9. Details of command PMM

Commands	DMM					Me	ode Control	Setting	Reference
						TVIC	ode   Control	Jetting	TCICICIOC
Function	Power mana	agement							
Format	PMM=<	Power mar	nagement s	etting para	meters:ID>				
Parameter	Power mana	agement se	tting parame	eters					
		rameter	Meani	ng					
		OFF ANDBY	OFF Standby mo	nde					
		EXIT	Exit mode	ouc					ID
	The parame		can be set a	t any given	point in time	can be obta	ined using t	he	
	For details,	refer to the	RANGE con	nmand.					
Response	"i:OK" is reto For all other		parameter v , refer to "Er		erly.				
Description	This sets Po	ower manag	jement mode	Э.					
	same tir A "busy (Refer to -2 This cor -2 This cor -2 With the selectec -3 The pro-	me. " response i o the ZCON mmand is th  del Menu (50 [Systen (60 ] (60 [Systen (60 ] (60 ] (60 ESX6, SX60 (60 ) (60 ESX6, SX60 (60   (60	is given whill ITDRV comme same as to a settings] - or x600, prect power-on eves as follow or behavior emote mode titing takes enough the remote ser, when it significant is setting takes enough the remote ser, when it significant is setting takes enough the remote ser, when it significant is significant to the remote ser, when it significant is significant to the remote ser, when it significant is significant to the remote ser, when it significant is significant to the remote ser, when it significant is significant to the remote ser, when it significant is significant to the remote service services and the remote services are significant to the remote services and the remote services are significant to the remote services and the remote services are significant to the remote services and the remote services are significant to the services are significant to the remote services are significant to the services are significant t	e the zoom mand and F he menu fur ference for the form frence for the frence for the form f	or focus lens CONTDRV conctions in the local agement more considered and consider	odes] ot be set to e:1005 DIRE gement setting is it mode is es es matically tra	ven.  OFF if ON h ECT_POWEIng and in the genored. tablished. the power r nsferred to t	as been R_ON" is e remote  manager he "loca	s mode. nent
Example	Setting								
	> PMM=S < i:OK	TANDBY		This se	ts the power	manageme	nt to "standl	oy."	
	Reference > GET PN < g:PMM=	MM or ?PMN =EXIT	М	This re	trieves the P	ower manag	gement mod	e.	
	•	•	ers which car	n be set					
	> RANGE < r:PMM=		ANDBY, EXI	T "OFF,"	"STANDBY"	or "EXIT" c	an be set fo	r the pov	ver
	< r:PMM=	I, OFF, STA	,	manag	ement.		an be set fo	r the pov	ver
Commande	< r:PMM= * Commands	el, OFF, STA	l by ">", and re	manag			an be set fo	r the pov	ver
Commands supported	< r:PMM=  * Commands  SX50	I, OFF, STA	,	manag	ement.		an be set fo	r the pov	ver

Model		owe						Input					Мо	de	Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	Remarks
SX50	×	0	×	0	0	0	0	0	0	-	_	0	0	×	
SX6	×	0	×	0	0	0	0	0	0	0	0	0	0	×	
SX60															
X600															

<sup>\*</sup> If a command cannot be supported, 'INVALID\_MODE' or 'NOT\_POWER\_SUPPLIED' is returned as an error response.

\* "i:BUSY" may be returned if the power status is being switched.

User Command Specifications 9. Details of command PJON

Commands	PJON Mode Control Setting	Reference
	Display screen at startup setting	
Format	PJON= <parameters at="" display="" for="" screen="" setting="" startup;id=""></parameters>	
Parameter	Parameters for setting display screen at startup  Parameter   Meaning	
	CANON Canon logo SKIP No display LOGO User screen	ID
	The parameters which can be set at any given point in time can be obtained using the RANGE command. For details, refer to the RANGE command.	
Response	"i:OK" is returned if the parameter was set properly. For all other responses, refer to "Error List."	
Description	This sets the screen displayed at startup.	
	-1 It can be executed when the projector is in both the remote mode and power-on status same time.  A "busy" response is given while the zoom or focus lens is being driven. (Refer to the ZCONTDRV command and FCONTDRV command.)  -2 This command is the same as the menu functions in the table below.    Model   Menu       SX50   [Display settings] - [User screen settings] - [Screen at startup]	at the
	SX6 SX60 [Display settings] - [User screen settings] - [Screen at startup]	
	<ul> <li>-3 To select the user screen (LOGO), the user image must be registered ahead of time. (If user image is not registered, "e:1002 NO_LOGO_CAPTURED" is returned.)</li> <li>-4 The GET command can be used to obtain the current screen displayed at startup. For details, refer to the GET command.</li> </ul>	the
Example	Setting  > PJON=CANON  This sets the startup screen to "Canon logo".  < i:OK	
	Reference > GET PJON or ?PJON This retrieves the startup screen. < g:PJON=SKIP	
	Acquisition of parameters which can be set  > RANGE PJON  "CANON," "SKIP" or "LOGO" can be set for the dispostreen at startup.  < r:PJON=I, CANON, SKIP, LOGO	olay
Commands	* Commands are indicated by ">", and responses are indicated by "<".  SX50 SX6 SX60 X600	
supported		

Model	F	owe	r					Input					Мо	Remarks	
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	INCIIIAINS
SX50	×	0	×	0	0	0	0	0	0	-	_	0	0	×	
SX6	×	0	×	0	0	0	0	0	0	0	0	0	0	×	
SX60															
X600															

<sup>\*</sup> If a command cannot be supported, 'INVALID\_MODE' or 'NOT\_POWER\_SUPPLIED' is returned as an error response.

\* "i:BUSY" may be returned if the power status is being switched.

User Command Specifications 9. Details of command NOSIG

Commands	NOSIC	<u> </u>				Me	ode Control	Setting	Reference				
	Display scre		signal setti	ng									
F = **** = 4	NOCIO	- dD				!!	de JDs						
Format	NOSIG	= <paramete< th=""><th>ers for setti</th><th>ng display</th><th>screen in n</th><th>o-signal mo</th><th>ide:ID&gt;</th><th></th><th></th></paramete<>	ers for setti	ng display	screen in n	o-signal mo	ide:ID>						
Parameter	Parameters	for setting of	display scree	en in no-sigi	nal mode								
		eter Meanin											
	BLAC BLUE	K Black s  Blue sc											
	LOGO								ID				
		•											
	The parame RANGE cor		can be set a	t any given	point in time	can be obta	ined using t	:he					
		refer to the	RANGE cor	nmand.									
		1.15.11											
Response		"::OK" is returned if the parameter was set properly. For all other responses, refer to "Error List."											
	or all other	гозропосо	, reier to Er	TOT LIST.									
Description	This sets th	e display sc	reen when r	no image sig	nals are inp	ut.							
	-1 It can be	e executed v	when the pro	piector is in	both the <b>ren</b>	note mode a	and <b>power-c</b>	on status	at the				
	same tii			0,000.00				··· otatao	ut 1.10				
					or focus lens	s is being dri	iven.						
						e table belov	٧.						
	Мо	del Menu											
	SX	(50 [Display	/ settings] -	[User scree	n settings] -	[Screen in n	o-signal mo	de]					
		K6 [Dieplay	, cottingel	[] lear screen	n cottingel	Screen in n	o eignal mo	dol					
		600 [Display	/ Settings] -	[USEI SCIECI	ı settiriys] -	[Ociceii iii ii	o-signai mo	uej					
						t be register TURED" is re		time. (If	the				
						isplay scree		al.					
	For deta	ails, refer to	the GET co	mmand.									
Example	Settina												
•	> NOSIG	=BLUE		This se	ts the "Blue"	screen whe	en no signals	s are inp	ut.				
	< i:Ok												
	Reference												
		OSIG or ?NO	OSIG	This re	trieves the s	creen when	no signals a	are input.					
	< g:NOSI	G=LOGO											
		of paramete	rs which ca	n be set									
	> RANGE		DI LIE LO	OO "D! 40"	/ " "DI ! !	· "	an ha set for	سئاد مطائح	alou.				
	< I:NOSIC	∋=i, BLACK	, blue, lu		in the no-sig	or "LOGO" ca anal mode.	an de set foi	i ine alsp	лау				
Commands	* Commands SX50	are indicated	by ">", and re	esponses are X600	indicated by '	'<". 							
supported		01.01**	01.01**	01.01**									
	0	0	0	0				]					

Model	F	owe	er					Input						de	Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	Remains
SX50	×	0	×	0	0	0	0	0	0	-	_	0	0	×	
SX6	×	0	×	0	0	0	0	0	0	0	0	0	0	×	
SX60															
X600															

<sup>\*</sup> If a command cannot be supported, 'INVALID\_MODE' or 'NOT\_POWER\_SUPPLIED' is returned as an error response.
\* "i:BUSY" may be returned if the power status is being switched.

User Command Specifications 9. Details of command NOSHOW

Commands	NOSHOW Mode Control Setting Re	eference										
Function	Display screen setting when nothing shown											
Format	NOSHOW= <parameters :id="" display="" for="" in="" no="" screen="" setting="" show="" status=""></parameters>											
Parameter	Parameters for setting display screen in no show status  Parameter   Meaning	ID										
Response	i:OK" is returned if the parameter was set properly.  For all other responses, refer to "Error List."											
	This command is used to set the screen which is to appear in the no show status.  -1 It can be executed when the projector is in both the <b>remote mode</b> and <b>power-on</b> status at same time.  A "busy" response is given while the zoom or focus lens is being driven. (Refer to the ZCONTDRV command and FCONTDRV command.)  -2 This command is the same as the menu functions in the table below.    Model   Menu	e										
Example	Setting  > NOSHOW=LOGO  This sets the "User" screen when nothing is displayed.  < Ok  Reference  > GET NOSHOW or ?NOSHOW  < g:NOSHOW=LOGO  Acquisition of parameters which can be set  > RANGE NOSHOW  < r:NOSHOW=BLACK,BLUE,LOGO  "BLACK," "BLUE" or "LOGO" can be set for the display screen in the no show status.											
Commands supported	5.11											

Model	F	Powe	r					Input			Мо	Remarks			
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	Remarks
SX50	×	0	×	0	0	0	0	0	0	-	_	0	0	×	
SX6	×	0	×	0	0	0	0	0	0	0	0	0	0	×	
SX60															
X600															

<sup>\*</sup> If a command cannot be supported, 'INVALID\_MODE' or 'NOT\_POWER\_SUPPLIED' is returned as an error response.
\* "i:BUSY" may be returned if the power status is being switched.

9. Details of command LOGOPOS User Command Specifications

	LOGOPOS Mode Control Setting R	leference									
Function	User image position setting										
Format	LOGOPOS= <user image="" parameters:id="" position="" setting=""></user>										
Parameter	User image position setting parameters										
	Parameter Meaning										
	UPPER_L   Upper left										
	UPPER_R Upper right										
	CENTER Center  LOWER L Lower left										
	LOWER_R Lower right	ID									
	The parameters which can be set at any given point in time can be obtained using the RANGE command.  For details, refer to the RANGE command.										
Response	"i:OK" is returned if the parameter was set properly. For all other responses, refer to "Error List."										
Description	This sets the logo display position.										
	-1 It can be executed when the projector is in both the <b>remote mode</b> and <b>power-on</b> status at same time.  A "busy" response is given while the zoom or focus lens is being driven. (Refer to the ZCONTDRV command and FCONTDRV command.)  -2 This command is the same as the menu functions in the table below.    Model   Menu   SX50   [Display settings] - [User screen settings] - [User image position]   SX6   SX60   [Display settings] - [User screen settings] - [User image position]     -3 This setting cannot be made unless the user screen is registered beforehand. (Error "e:1002 NO_LOGO_CAPTURED" is returned.)  -4 The current display position can be acquired using the applicable GET command. For details, refer to the GET command.	t the									
Example	> LOGOPOS=UPPER_R  < i:OK  Reference  This sets the logo display position to the upper  This set	r right.									
	> GET LOGOPOS or ?LOGOPOS This retrieves the logo display position. < g:LOGOPOS=LOWER_L  Acquisition of parameters which can be set										
	> RANGE LOGOPOS  < r:LOGOPOS=I,UPPER_L,UPPER_R,CENTER,LOWER_L," "UPPER_R,"  "CENTER," "LOWER_L" or  "LOWER_R" can be set as the  user image position.  Commands are indicated by ">", and responses are indicated by "<".										
Commands											
supported	01.00** 01.01** 01.01** 01.01**										

ouppo.		<del></del>			•										
Model	F	owe	er					Input					Mo	de	Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	Remarks
SX50	×	0	×	0	0	0	0	0	0	-	-	0	0	×	
SX6	×	0	×	0	0	0	0	0	0	0	0	0	0	×	
SX60															
X600															

<sup>\*</sup> If a command cannot be supported, 'INVALID\_MODE' or 'NOT\_POWER\_SUPPLIED' is returned as an error response.

\* "i:BUSY" may be returned if the power status is being switched.

9. Details of command LANG User Command Specifications

Commands	LANG						Mode	Control	Setting	Reference
	Language sele	ect								
Format	LANG= <l< th=""><th>anguage selection  </th><th>paramet</th><th>ers:ID</th><th>&gt;</th><th></th><th></th><th></th><th></th><th></th></l<>	anguage selection	paramet	ers:ID	>					
Parameter	Language sele	ection parameters						•		
	Parameter	Meaning		SX50	ors suppo	rted by m	X600			
	ENG	English		0	0	0	0			
	FRA	French		00	0	0	0			
	GER ITA	German Italian		00	0	0	0	ł		
	SPA	Spanish		0	Ö	Ö	Ö	1		
	POR	Portuguese		0	0	0	0	1		
	SWE	Swedish		0	0	0	0			
	DUT	Dutch		0	0	0	0			
	RUS CHS	Russian	\	0	0	0	0			
	CHT	Chinese (simplified Chinese (traditional		00	0	0	0	ł		10
	KOR	Korean	')	0	0	0	0	i		ID
	JPN	Japanese		Ö	Ö	Ö	Ö	i		
	FIN	Finnish		×	0	0	0	1		
	NOR	Norwegian		×	0	0	0			
	TUR	Turkish Polish		×	0	0	0			
	POL HUN	Hungarian		×	0	0	0			
	CZE	Czech		×	0	0	0			
	DAN	Danish		×	Ö	Ö	Ö	i		
	•				•		•	•		
		s which can be set a	t any giv	en poin	t in time	can be	obtaine	d using th	ie	
	RANGE comm									
	For details, ref	er to the RANGE cor	nmand.							
Response	"i:OK" is return	ed if the parameter v	vas set r	roperly						
		sponses, refer to "Er	-							
Description	This switches t	the screen display lar	nguage.							
	1 It can be e	xecuted when the pro	niactor is	in hoth	the rom	oto mo	do and	nower o	a etatue	at the
	same time	•	ojecioi is	וויטטנו	i uic i eii	iote iiio	ue anu	power-or	i Status	attile
		esponse is given whil	e the zo	om or fo	cus lens	s is bein	g driven			
	(Refer to th	ne ZCONTDRV comr	mand an	d FCON	NTDRV o	comman	d.)			
	-2 This comm	nand is the same as t	he menu	ı functio	ons in the	e table b	elow.			
	Model	Menu								
		[System settings] -	[Langua	ges]						
	SX6									
	X600	[System settings] -	[Langua	ges]						
	7000									
	-3 The curren	itly set language can	be acqu	ired usi	ng the a	pplicable	e GET o	ommand		
		, refer to the GET co			<b>J</b>					
_	0.44									
Example	•	·-		<b>T</b> I.:	4 - 4111			t - "OI	- 1- "	
	> LANG=SW < i:OK	/E		I his se	ts the di	splay la	nguage	to "Swed	ish".	
	1.OK									
	Reference									
	> GET LANC	G or ?LANG		This re	trieves th	ne langu	age.			
	< g:LANG=SWE									
	Acquisition of parameters which can be set									
	Acquisition of p  > RANGE LA		n be set							
		ang ENG,FRA,GER,ITA,S	SPA POF	R.SWF	DUT RII	S.CHS	CHT KC	R.JPN F	IN.NOF	R.TUR
	POL,HUN,		., , ı,ı OI	., U V V L,	J J 1,110	J, J, 10,	J. 11,11C	, 11,1	.,,,,,,	.,
	, ,	•								
		indicated by ">", and re			cated by "	<b>'&lt;"</b> .				
Commands	SX50	SX6 SX60	X600							
supported	01. 00** 0	01. 01** 01.01** O O	01.01 <sup>1</sup>				_			
	<u> </u>	<u> </u>		l		<u> </u>				

Model	F	owe	r					Input					Mo	de	Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	INCIIIAINS
SX50	×	0	×	0	0	0	0	0	0	-	_	0	0	×	
SX6	×	0	×	0	0	0	0	0	0	0	0	0	0	×	
SX60															
X600															

<sup>\*</sup> If a command cannot be supported, 'INVALID\_MODE' or 'NOT\_POWER\_SUPPLIED' is returned as an error response.

\* "i:BUSY" may be returned if the power status is being switched.

User Command Specifications 9. Details of command TERMINAL

Commands	TERMINAL Mode Control Setting Reference
Function	Terminal setting
Format	TERMINAL= <terminal parameters:id="" setting=""></terminal>
Parameter	Terminal setting parameters    Parameter   Meaning
	"i:OK" is returned if the parameter was set properly. For all other responses, refer to "Error List."
Description	This sets the input/output of the RGB-IN2/COMPONENT IN/RGB OUT terminals.  -1 It can be executed when the projector is in both the <b>remote mode</b> and <b>power-on</b> status at the same time.  -2 This command is identical to the Terminal command in the System settings menu.  -3 The "OUT" (output) setting cannot be made when the "A-RGB2" or "COMP" input is selected!  -4 The current terminal setting can be acquired using the applicable GET command.  For details, refer to the GET command.
Example	> TERMINAL=IN This sets to input < i:OK
	Reference > GET TERMINAL or ?TERMINAL This retrieves the terminal setting state. < g:TERMINAL=OUT
	Acquisition of parameters which can be set  > RANGE TERMINAL  < r:TERMINAL=I, IN, OUT  "IN" or "OUT" can be selected as the terminal setting.  * Commands are indicated by ">", and responses are indicated by "<".
Commands supported	

опрро.	tca comma			_											
Model	Parameter	F	Powe	er					Input					Мо	de
		OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local
SX50	IN	×	0	×	0	0	0	0	0	0	-	-	0	0	×
3/30	OUT	×	0	×	0	0	×	×	0	0	-	_	0	0	×
SX6															
SX60	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
X600															

<sup>\*</sup> If the command cannot be supported, 'INVALID\_MODE,' 'NOT\_POWER\_SUPPLIED' or 'TERMINAL\_OUT' is returned as an error response.

\* "i:BUSY" may be returned if the power status is being switched.

User Command Specifications 9. Details of command KEYLOCK

Commands	KEYLO	CK				N	lode Control	Setting	Reference			
	Keylock setting											
Format	KEYLOCK	<= <key i<="" th=""><th>ock setting</th><th>parameters</th><th>s:ID&gt;</th><th></th><th></th><th></th><th></th></key>	ock setting	parameters	s:ID>							
	Paramete OFF MAIN RC The parameter RANGE comm	No lock Main ke Remote	king (OFF) ey lock e control key can be set a	t any given	point in time	can be obt	ained using t	:he	ID			
	"i:OK" is return For all other re				erly.							
	(Refer to the community of the community	executed be executed be exponse the ZCON mand is the system [System executed by the system	when the pro- is given whill ITDRV common se same as to n settings] - n settings] - not affect the it or remote	e the zoom mand and Fehe menu fur [Key lock] [Key lock] e emulation control keys he acquire	poth the rem or focus lens CONTDRV c nctions in the	is being de command.)	and <b>power-c</b> riven. w.	on status	at the			
Example	Setting > KEYLOCK < i:OK  Reference > GET KEYL < g:KEYLOC	_OCK or	?KEYLOCK		This locks the		control keys.					
	Acquisition of parameters which can be set  > RANGE KEYLOCK  < r:KEYLOCK=I,OFF,MAIN,RC  "OFF," "MAIN" or "RC" can be selected as the key lock setting.  * Commands are indicated by ">", and responses are indicated by "<".											
		e indicated	d by ">", and re	esponses are	indicated by "	<".						
Commands		e indicated	d by ">", and re	esponses are	indicated by "	<".	<u> </u>					
Commands supported	* Commands are				indicated by "	<".						

Model	F	owe	r					Input				Mode			Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	IXCIIIAINS
SX50	×	0	×	0	0	0	0	0	0	-	_	0	0	×	
SX6	×	0	×	0	0	0	0	0	0	0	0	0	0	×	
SX60															
X600															

<sup>\*</sup> If a command cannot be supported, 'INVALID\_MODE' or 'NOT\_POWER\_SUPPLIED' is returned as an error response.

<sup>\* &</sup>quot;i:BUSY" may be returned if the power status is being switched.

User Command Specifications 9. Details of command RCCH

Commands	RCCH				Mo	de Control	Setting	Reference				
Function	Remote control setting											
Format	RCCH= <remote co<="" th=""><th>ontrol settii</th><th>ng paramet</th><th>ers:ID&gt;</th><th></th><th></th><th></th><th></th></remote>	ontrol settii	ng paramet	ers:ID>								
Parameter		control cha control cha an be set a	nnel 2 t any given լ	point in time	can be obta	ined using t	he	ID				
Response	"i:OK" is returned if the properties of the prop			erly.								
Description	This command is used to a same time.  A "busy" response is (Refer to the ZCON" -2 This command is ide SX50 [System SX6 SX60]  The current remote For details, refer to the same time.  A "busy" response is (Refer to the ZCON" -2 This command is ide SX50 [System SX60]  The current remote For details, refer to the same time.	when the prosecution of the process given while IDRV commentical to the settings] -   settings] -   control setti	e the zoom on and and FC e Remote cor	ooth the rem or focus lens CONTDRV control functio	ote mode a	nd <b>power-o</b> ven. tem settings	n status s menu.	at the				
Example	Setting  > RCCH=1 This sets the remote control channel to ch1.  < i:OK  Reference  > GET RCCH or ?RCCH This retrieves the remote control setting state.  < g:RCCH=2  Acquisition of parameters which can be set  > RANGE RCCH  < r:RCCH=I, 1, 2 "1" or "2" can be set as the remote control channel.  * Commands are indicated by ">", and responses are indicated by "<".											
Commands supported	SX50 SX6	SX60 01.01**	X600 01.01**									

Model	F	owe	r					Input					Мо	de	Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	INCIIIAINS
SX50	×	0	×	0	0	0	0	0	0	_	_	0	0	×	
SX6	×	0	×	0	0	0	0	0	0	0	0	0	0	×	
SX60															
X600															

<sup>\*</sup> If a command cannot be supported, 'INVALID\_MODE' or 'NOT\_POWER\_SUPPLIED' is returned as an error response.

\* "i:BUSY" may be returned if the power status is being switched.

User Command Specifications 9. Details of command GUID

Commands	GUIDE							Mode	Control	Settir	ng <del>Reference</del>
Function	Guide setting										
Format	GUIDE= <guid< th=""><th>de settii</th><th>ng paramete</th><th>or:ID&gt;</th><th></th><th></th><th></th><th></th><th></th><th></th><th></th></guid<>	de settii	ng paramete	or:ID>							
Parameter	Guide setting para	ameters									
	Parameter N		I ON								
			splay ON splay OFF								ID
	The parameters w	∕hich ca	n be set at a	any given	point in tir	me can	be obtaine	d using th	ne		10
	RANGE command For details, refer	-	ANGE co	mmand							
De	"i:OK" is returned				m a wh r						
Response	For all other response										
Description	This command is	used to	set the guid	e function	n display to	o ON or	OFF.				
	<sup>(1)</sup> It can be exec	المحاسمة	han tha nusi		hath tha		mada and		<b>n</b> ototuo	a+ +b.a	
	time.									at the	same
	However, a "l		esponse is gi ONTDRV (					_			
	(2) This comman	d function	ons in the sa	ame way a	s when "S	System	settings" -	"Guide"	are sele	ected o	on the
	However, the	guide is	cleared imn	nediately	when "GU	IDE=OF	F" is recei	ved while	the guid	de is d	isplayed.
	(3) The current g For details, re		_		using the	GET co	mmand.				
Example	Setting										
Example	> GUIDE=ON			The guid	e display is	s set to	ON.				
	< i:OK										
	Reference > GET GUIDE	. au 201	IDE	The mid	م مانمهامی م		status is ob	tainad			
	< g:GUIDE=OI			THE gulu	o display S	occurig S	icacus is OD	cantou.			
	Acquisition of par	ameters	which can l	oe set							
	> RANGE GU < r:GUIDE=I, (		ı								
						<i>" ."</i>					
Commands	*Commands are indi	icated by SX6	">", and resp	X600	indicated by	y "<".					
supported		01**	01. 01**	01. 01:	**						
	X When a command is		O orted "e:000:	O INVALID	COMMAND	)″is reti	ırned	1			

Oupport	.ou c	,011111	ilaila	Otatoo											
Model	Pow	er sı	pply					Input					Мо	de	Remarks
	OFF	ON	РМ	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	Remarks
SX50	_	-	_	-	_	_	_	_	_	_	_	-	_	_	
SX6	×	0	×	0	0	0	0	0	0	0	0	0	0	×	
SX60															
X600															

 $<sup>{\</sup>bf *If~a~state~is~not~supported,~"INVALID\_MODE"~or~"NOT\_POWER\_SUPPLIED"~is~returned~with~the~Err~response.}$ 

 $<sup>\</sup>pmb{*} \textbf{When the power supply state is in the process of switching, an "i:BUSY" reply may be sent.}$ 

User Command Specifications 9. Details of command DPON

Commands	DPON						Mode	<del>Control</del> S	Setting Reference
Function	Direct power-o	n setting							
Format	DPON= <di< th=""><th>irect powe</th><th>r-on setting</th><th>g parameter:</th><th>ID&gt;</th><th></th><th></th><th></th><th></th></di<>	irect powe	r-on setting	g parameter:	ID>				
Parameter	Direct power—o Parameter ON OFF  The parameters RANGE comma For details, refe	This set: This set: s which ca	s direct pow s direct pow n be set at a			n be obtained	I using the	3	ID
Response	"i:OK" is return For all other re				ly.				
Description	( Refer t (2) This comm- selected or (3) Direct pow- setting. ("e:1004 Pc (5) The curren	xecuted w "busy" re to the ZCo and function the menumer-on cann OWER_MA at direct po	hen the projection of the projection of the projection of the second of the projection of the projecti	ector is in bo ven while the command a ame way as w o ON when "(  _OFF" is retuing can be ob	th the <b>remot</b> zoom or foc and FCONT when "System DFF" has been	e mode and page to the second of the second	ing driven mand. ) "Direct p as the pow	ower-on´	″ are
Example	Setting  > DPON=ON  < i:OK  Reference  > GET DPON  < g:DPON=Ol  Acquisition of p  > RANGE DP  < r:DPON=I,C	N or ?DPO N parameters PON DN,OFF	N The which can I	N″ or ″OFF″	ct power-on can be set fo	setting is obt			
Commands supported	SX50	SX6 01. 01**	SX60 01. 01**	X600 01. 01**		turned.			

Model	Pow	er sı	pply					Input					Mode   Remote   Loca     -		Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	Remarks
SX50	_	_	_	_	_	_	_	_	_	_	_	_	_	_	
SX6	×	0	×	0	0	0	0	0	0	0	0	0	0	×	
SX60															
X600															

 $<sup>*</sup> If a state is not supported, "INVALID\_MODE" or "NOT\_POWER\_SUPPLIED" is returned with the Err response.$ 

<sup>\*</sup>When the power supply state is in the process of switching, an "i:BUSY" reply may be sent.

User Command Specifications 9. Details of command LEDILLUMINATE

Commands	LEDILLUMINATE Mode Control Setting Reference
Function	Emotional LED and signal sensing LED lighting control
Format	LEDILLUMINATE= <led control="" lighting="" parameter:id="" setting=""></led>
Parameter	LED lighting control setting parameters  Parameter   Meaning
	"i:OK" is returned if the parameter was set properly. For all other responses, refer to "Error List."
Description	This command is used to control the lighting of the emotional LED and signal sensing LED.  (1) It can be executed when the projector is in both the <b>remote mode</b> and <b>power—on</b> status at the same time.  However, a "busy" response is given while the zoom or focus lens is being driven.  ( Refer to the ZCONTDRV command and FCONTDRV command. )  (2) This command functions in the same way as when "System settings" – "LED illumination" are selected on the menu.  (3) The current LED illumination setting can be obtained using the GET command. For details, refer to the GET command.
Example	Setting  > LEDILLUMINATE=ON  < i:OK  Reference  > GET LEDILLUMINATE or ?LEDILLUMINATE  < g:LEDILLUMINATE=ON  Acquisition of parameters which can be set  > RANGE LEDILLUMINATE  < r:LEDILLUMINATE=I, ON, OFF  "ON" or "OFF" can be set for the LED display.  *Commands are indicated by ">", and responses are indicated by "<".
Commands supported	SX50

Model	Pow	er su	pply					Input					Мо	de	Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	Remarks
SX50	_	_	_	_	_	_	-	_	_	_	_	_	_	_	
SX6	×	0	×	0	0	0	0	0	0	0	0	0	0	×	
SX60															
X600															

<sup>\*</sup>If a state is not supported, "INVALID\_MODE" or "NOT\_POWER\_SUPPLIED" is returned with the Err response.

 $<sup>\</sup>pmb{*} \textbf{When the power supply state is in the process of switching, an "i:BUSY" reply may be sent.}$ 

User Command Specifications 9. Details of command ZSTEPDRV

Commands	ZSTEP	DRV					Mode	Control	Settin	g Reference				
Function	Zoom lens s	tep drive con	itrol											
Format	ZSTEPI	RV= <zoom< th=""><th>lens step co</th><th>ontrol parame</th><th>eter:ID&gt;</th><th></th><th></th><th></th><th></th><th></th></zoom<>	lens step co	ontrol parame	eter:ID>									
Parameter	Paramet TELE The paramet RANGE com	This zoo	oms to the woms to the te	ide-angle end elephoto end. any given poi mmand.		n be obtained	d using t	he		ID				
Response	i:OK" is returned when zooming was completed successfully after step drive.  For all other responses, refer to "Error List."													
Description	(1) It can be time. However ( Refe (2) This cormain uni	This command is used to initiate the step drive of the zoom lens.  (1) It can be executed when the projector is in both the <b>remote mode</b> and <b>power-on</b> status at the same time.  However, a "busy" response is given while the zoom or focus lens is being driven.  (Refer to the ZCONTDRV command and FCONTDRV command.)  (2) This command functions in the same way as when first the "ZOOM" button on the remote control or main unit panel is pressed and then the "—" or "—" button is pressed.  (3) The amount by which the lens is zoomed is constant, and it is fixed in the system.  (4) If a zooming error occurs, step drive cannot be controlled.												
Example														
Commands supported	×	SX6 01. 01** O and is not supp	SX60 01. 01** O ported, "e:000	X600 01. 01** O 2 INVALID_CO	MMAND" is re	turned.								

	Jupport	.cu c	OIIIII	ilailiu	Otates											
	Model								Input					Мо	de	Remarks
L		OFF	ON	РМ	D-RGB	B A-RGB1 A-RGB2 Comp Video S-Video D-Video SCART N							None	Remote	Local	Remarks
I	SX50	_	_	_	_	_	_	_	_	_	_	_	_	_	_	
ı	SX6	×	0	×	0	0	0	0	0	0	0	0	0	0	×	
	SX60															
	X600															

<sup>\*</sup>If a state is not supported, "INVALID\_MODE" or "NOT\_POWER\_SUPPLIED" is returned with the Err response.

 $<sup>\</sup>hbox{$*$When the power supply state is in the process of switching, an $``i:BUSY''$ reply may be sent.}$ 

User Command Specifications 9. Details of command ZCONTDRV

Commands	ZCON	ΓDRV						Mode	Control	Set	ting Reference			
Function	Zoom lens c	ontinuous dr	ive control											
Format	ZCONTI	DRV= <zoom< th=""><th>lens contin</th><th>uous con</th><th>trol parame</th><th>ter:ID&gt;</th><th></th><th></th><th></th><th></th><th></th></zoom<>	lens contin	uous con	trol parame	ter:ID>								
Parameter	Zoom lens c	ontinuous co	ntrol parame	eters										
	Parame	ter Meaning	[			1								
	STOF WIDE	-	ops the zoom oms to the w		end									
	TELE		oms to the te			1					ID			
	RANGE com	mand.	an be set at a			e can be	obtained	l using th	ne					
	For details, r	refer to the I	RANGE co	mmand.										
Response	"i:OK" is ret For all other		the drive was refer to "Eri			fully.								
Description	This comma	nd is used to	drive the zo	om lens	continuously	<b>'</b> .								
	time.	It can be executed when the projector is in both the <b>remote mode</b> and <b>power-on</b> status at the same time.  However, only the "STOP" parameter takes effect while the zoom lens is being driven, and a "busy"												
		However, only the "STOP" parameter takes effect while the zoom lens is being driven, and a "busy" response is given while the focus lens is being driven.												
		response is given while the focus lens is being driven.  ( Refer to the FCONTDRV command. )  This command functions in the same way as when first the "ZOOM" button on the remote control or												
		( Refer to the FCONTDRV command. ) This command functions in the same way as when first the "ZOOM" button on the remote control or main unit panel is pressed and then the "↑" or "↓" button is pressed.												
			d by specifyi	-	or "WIDE.	" To sto	op the dr	ive, add	the "STO	OP"				
	1		this comman given to sto		e. the drive	stops at	the drive	e directio	on end.					
	(4) The follo	owing comma	ands are ackr	nowledge	d during zoo	m drive,	but zoom	drive w	ill also st					
	continue		anor commun	uo, 1.DO	01 (20011)	io rocar	nou unou	rarcional	ny, and 2	00111	ai i v			
	a.	REMOTE												
		LOCAL												
		POWER ZCONTDRV	=STOP											
		owing comma	ands are ackr	nowledge	d during zoo	m drive,	and a res	sponse is	returne	d whi	le the			
	a	GET MODE		e	GET PROD	CODE								
		GET POWER	₹		GET ROMV									
		GET ERR	COUNTED	g.	GET COMV	ER								
	d.	GET LAMPO	COUNTER											
		rive stops whoom drive.	nen the "POV	WER" but	ton on the r	emote co	ontrol or	main uni	t panel is	s pre	ssed			
Example	> ZCONTDRV=TELE Control over the zooming to the telephoto end is started.													
	< I:OK													
	Range acquis		n /											
		E ZCONTDF NTDRV = I. S	RV Stop, Wide,	TELF	″STOP	″ ″WIDE	" or "TE	IF" can	he set f	or 70	om lens			
			,	<b>_</b>		ous drive		_L Gail	20 300 1	J. 20	S.II 10110			
Commands	SX50	SX6	SX60	X600										
supported	01. 00**	01. 01**	01. 01**	01. 01	**									
	×	0	0	0		is returne		l						

Model	Pow	er sı	ıpply					Input					Mo	de	Remarks
	OFF	ON	РМ	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	Remarks
SX50	_	_	_	_	_	_	_	_	_	_	_	-	_	_	
SX6	×	0	×	0	0	0	0	0	0	0	0	0	0	×	
SX60															
X600															

 $<sup>*</sup> If a state is not supported, "INVALID\_MODE" or "NOT\_POWER\_SUPPLIED" is returned with the Err response.$ 

 $<sup>\</sup>hbox{$\star$When the power supply state is in the process of switching, an $''$ is $BUSY''$ reply may be sent.}$ 

User Command Specifications 9. Details of command FSTEPDRV

Commands	FSTEPDRV			Mode	Control	Setting Reference							
Function	Focus lens step drive control												
Format	FSTEPDRV= <focus lens<="" th=""><th>step control param</th><th>eter:ID&gt;</th><th></th><th></th><th></th></focus>	step control param	eter:ID>										
Parameter		s focusing toward the focusing toward the e set at any given poi	near end.	otained using th	ne	ID							
Response	OK" is returned when zooming was completed successfully after step drive. r all other responses, refer to "Error List."												
Description	This command is used to drive the focus lens.  (1) It can be executed when the projector is in both the <b>remote mode</b> and <b>power—on</b> status at the same time.  However, a "busy" response is given while the zoom or focus lens is being driven.  (Refer to the ZCONTDRV command and FCONTDRV command.)  (2) This command functions in the same way as when first the "FOCUS" button on the remote control or main unit panel is pressed and then the "—" or "—" button is pressed.  (3) The amount by which the lens is focused is constant, and it is fixed for the system.  (4) If a focusing error occurs, step drive cannot be controlled.												
Example													
Commands supported		SX60 X600 . 01** 01. 01** O O d, "e:0002 INVALID_CO	MMAND" is returned.										

Model	Pow	er sı	pply					Input					Мо	de	Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	Remarks
SX50	_	_	_	_	-	_	_	_	_	_	_	-	_	_	
SX6	×	0	×	0	0	0	0	0	0	0	0	0	0	×	
SX60															
X600															

<sup>\*</sup>If a state is not supported, "INVALID\_MODE" or "NOT\_POWER\_SUPPLIED" is returned with the Err response.

 $<sup>\</sup>hbox{$\star$When the power supply state is in the process of switching, an $``i:BUSY''$ reply may be sent.}$ 

User Command Specifications 9. Details of command FCONTDRV

Commands	FCONTDRV Mode Control Set	ting Reference												
Function	Focus lens continuous drive control													
Format	FCONTDRV= <focus continuous="" control="" lens="" parameter:id=""></focus>													
Parameter	Focus lens continuous control parameters													
	Parameter Meaning													
	STOP This stops the focusing.  FAR This initiates focusing toward the far end.													
	NEAR This initiates focusing toward the near end.	ID												
	The parameters which can be set at any given point in time can be obtained using the													
	RANGE command. For details, refer to the RANGE command.													
Response	"i:OK" is returned when the drive was completed successfully.  For all other responses, refer to "Error List."													
Description	This command is used to drive the focus lens.													
	t can be executed when the projector is in both the <b>remote mode</b> and <b>power-on</b> status at the same time.													
	me. owever, only the "STOP" parameter takes effect while the focus lens is being driven, and a "busy"													
	lowever, only the "STOP" parameter takes effect while the focus lens is being driven, and a "busy" esponse is given while the zoom lens is being driven.													
	( Refer to the ZCONTDRV command and FCONTDRV command. )													
	or main unit panel is pressed and then the " $\uparrow$ " or " $\downarrow$ " button is pressed.	his command functions in the same way as when first the "FOCUS" button on the remote control												
	(3) Focus drive is started by specifying "NEAR" or "FAR." To stop the drive, add the "STOP" parameter and send this command.													
	If no instruction was given to stop the drive, the drive stops at the drive direction end.													
	(4) The following commands are acknowledged during focus drive, but focus drive will also stop a same time.	t the												
	In the case of any other commands, "i:BUSY (FOCUS)" is returned unconditionally, and focus continues.	s drive												
	a. REMOTE b. LOCAL													
	c. POWER													
	d. FCONTDRV=STOP													
	(5) The following commands are acknowledged during focus drive, and a response is returned wh drive continues.	ile the												
	a. GET MODE e. GET PRODCODE													
	b. GET POWER f. GET ROMVER c. GET ERR g. GET COMVER													
	d. GET LAMPCOUNTER													
	(6) Focus drive stops when the "POWER" button on the remote control or main unit panel is pre	hesse												
	during focus drive.	,330 <b>u</b>												
Example	Control													
	> FCONTDRV=NEAR Control over the focusing to the near end < I:OK	is started.												
	Range acquisition > RANGE FCONTDRV													
	< r:FCONTDRV=I, STOP, FAR, NEAR "STOP," "FAR" or "NEAR" can be set for "STOP," "FAR" or "NEAR" can be set for "STOP," "FAR" or "NEAR" can be set for "NEAR".	r focus												
	lens continuous drive.													
Commands														
supported	01. 00**   01. 01**   01. 01**   01. 01**													
	When a command is not supported, "e:0002 INVALID_COMMAND" is returned.													

Model	Pow	er sı	upply					Input					Мо	de	Remarks
	OFF	ON	РМ	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	Remarks
SX50	_	-	_	_	_	_	_	_	_	_	_	-	_	_	
SX6	×	0	×	0	0	0	0	0	0	0	0	0	0	×	
SX60															
X600															

 $<sup>*</sup> If a state is not supported, "INVALID\_MODE" or "NOT\_POWER\_SUPPLIED" is returned with the Err response.\\$ 

<sup>\*</sup>When the power supply state is in the process of switching, an "i:BUSY" reply may be sent.

User Command Specifications 9. Details of command RC

Commands	RC					M	ode Control Setting	Reference
Function	Remote control ope	eration emulate						
Format	RC□ <remote< th=""><th>control emulation</th><th>button</th><th>parame</th><th>ters:ID</th><th>&gt;</th><th></th><th></th></remote<>	control emulation	button	parame	ters:ID	>		
Parameter	Remote control em	ulation button param	eters					
	The key assign	ment for the remote	control (	amulatio	n huttor	e ie ae	follows	
	Remote control						lollows.	
	button	Parameter	SX50	rs suppo	rted by m	X600	Remarks	
	POWER	POWER	0	0	0	0		
	-	POWER_OFF	0	0	0	0	POWER button pressed twice	
	MENU	MENU	0	0	0	0		
	AUTO SET	AUTOSET	×	0	O ×	0		
	COMPUTER1 COMPUTER2	COMPUTER1 COMPUTER2	0	×	×	×		
	VIDEO	VIDEO	0	×	×	×		
	INPUT	INPUT	×	0	0	0		
	AUTOPC	AUTOPC	0	0	Ö	Ö		
	KEYSTONE	KEYSTONE	0	0	0	0		
	UP	UP	0	0	0	0		
	01	UP+REP	×	0	0	0	Button press start	
	DOWN	DOWN	0	0	0	0		
		DOWN+REP	×	0	0	0	Button press start	
	LEFT	LEFT LEFT+REP	O ×	0	0	0	Button press start	
		RIGHT	0	0	0	0	Button press start	
	RIGHT	RIGHT+REP	×	0	Ö	Ö	Button press start	
	OK	OK	0	0	0	Ö	,	ID
	R_CLICK	R_CLICK	0	0	0	0		
	PAGE ▲	P_UP	0	0	0	0		
	17.02 2	P_UP+REP	×	0	0	0	Button press start	
	PAGE ▼	P_DOWN	0	0	0	0		
	IMAGE	P_DOWN+REP IMAGE	×	0	0	0	Button press start	
	FREEZE	FREEZE	0	0	0	0		
	VOL +	VOL P	0	×	×	×		
	VOL -	VOL M	Ö	×	×	×		
	VOL	VOL	×	0	0	0		
	NOSHOW	NOSHOW	0	0	0	0		
	MUTE	MUTE	0	0	0	0		
	P-TIMER	P_TIMER	0	0	0	0		
	DZOOM +	DZOOM_P	0	0	0	0	Dutter and the	
		DZOOM_P+REP DZOOM M	×	00	0	0	Button press start	
	DZOOM_M	DZOOM_M+REP	×	0	0	0	Button press start	
	SPOT	SPOT	0	0	0	0	Datton prood start	
	FOCUS	FOCUS	×	0	Ö	Ō		
	ZOOM	ZOOM	×	Ö	Ō	Ō		
	_	*-REP	×	0	0	0	Button press end	
	*Use the applic	ation to adjust the tir	ne betw	een pre	ssing of	keys.		

User Command Specifications 9. Details of command RC

Response	"i:OK" is ret	urned when	the button p	oress reques	t has been	acknowledge	ed successf	ully.						
	(It does not	indicate if th	ne operation	for the pres	sed button	was execute	d properly.)							
			•											
Description	This emulat	es pressing	of the remo	te control bu	ittons for co	ontrolling the	projector.							
	-1 It can o	nly be used	during Loca	l mode.										
	to the p	arameters c	annot neces	ssarily be ex	ecuted.		of the buttons	s corresponding						
	- USB n	The following functions are unavailable in remote control emulation.  - USB mouse function  - Function for transfer to special mode (service mode)												
	the rem Be abso The but <1> <2>	ote control bolutely sure to ton pressing	outton is hele to send the ' g is ended in nel or remot RC' or 'MAIN	d down.)  '*-REP' para  the cases be control bu  l' command	meter, and below as we tton has be has been re	end the butto ell. een operated eceived		status in which last of all.						
Example														
	> RC PO	WER												
	< i:Ok													
	* Commands	are indicated	bv ">". and re	esponses are	indicated by	"<".								
Commands		SX6	SX60	X600										
supported	01.00**	01.01**	01.01**	01.01**				]						
	0	0	0	0				]						

Model	F	owe	r					Input					Мо	de	Remarks
	OFF	ON	PM	D-RGB	RGB A-RGB1 A-RGB2 Comp Video S-Video D-Video SCART Non							None	Remote	Local	Remarks
SX50	0	0	0	0	0	0	0	0	0	-	_	0	×	0	
SX6	0	0	0	0	0	0	0	0	0	0	0	0	×	0	
SX60															
X600															

<sup>\*</sup> If a command cannot be supported, 'INVALID\_MODE' is returned as an error response.

User Command Specifications 9. Details of command MAIN

Commands	MAIN							M	ode Control	Setting	Reference				
	Front panel o	peration e	mulation												
Format	M∆IN∏<	Main unit	panel emu	lation	hutto	n naran	notors ·	iD>							
Tomat	WAIN D V	wan an	paner ema	iution	Dutto	ii paraii	10101311								
Parameter	Main unit pan	el emulati	on button pa	aramet	ters										
	The key a	assianmer	its for the fro	ont par	nel but	tons are	shown	below.							
	Remote of					ors suppo									
	butto		Parameter	·	SX50	SX6	SX60	X600	Remarks	3					
	POWE	ĒR	POWER		0	0	0	0							
	_	F	POWER_OF	F	0	0	0	0	POWER butto						
	MEN	U	MENU		0	0	0	0	pressed twice	=					
	AUTO S		AUTOSET		×	0	0	0							
	COMPU		COMPUTER		0	×	×	×							
	COMPU <sup>*</sup> VIDE		COMPUTER VIDEO	(2	0	×	×	×							
		INPUT													
	KEYST														
	UP														
	DOW	/NI	DOWN		0	0	0	Ö							
	DOW	DOWN         DOWN+REP         ×         O         O         O         Button press start           LEFT         O         O         O         O           LEFT+REP         ×         O         O         Button press start													
	LEF.														
	DICI	RIGHT O O O													
		RIGHT RIGHT+REP × O O Button press start													
	OK FOCU		OK FOCUS		<u> </u>	0	0	0							
	Z00		ZOOM		×	0	0	0							
			*-REP		×	Ö	Ö	Ö	Button press	end					
	*I lea tha	annlication	n to adjust th	he time	hatw	een nre	eeina of	kove		<del>-</del>					
	030 110	аррпсацо	i to dajast ti	ne time	DCtw	con pro	Joing Oi	NOyo.							
Response	"i:OK" is retur (It does not in									ılly.					
	(11 0000 1101 11	idiodio ii ti	io operation	1101 111	o p. 00	ood batt	on was	Oxoodic	a property.)						
Description	This emulates	s the press	sing of the fr	ront pa	inel bu	ittons fo	r control	ling the	projector.						
	-1 It can onl	v he used	during Loca	al mode	2										
	i it odii oili	y bo dood	during Lood		<b>.</b>										
	■ Note 1														
									e buttons cor consists in er						
	•	of the butt		arny be	CACO	atou. Li	idiation	Simply (	001101010 111 01	naiating	uic				
	■ Note 2	stor with '4	DED' cianifi	oo "bu	tton n	roon oto	+" (Thi	o io tho	same as the	ototuo ir	a which				
			on is held do		ttori pi	CSS Stat	t. (1111s	5 15 1110	same as me	Status II	I WITICIT				
		•			•			the butt	on pressing I	ast of a	I.				
			g is ended in inel or remot					noratod							
		•	RC' or 'MAIN												
			ration has tra												
Example	Setting														
Lample	> MAIN FO	CUS													
	< i:OK														
	* Commanda -	re indicate	hv ">" cod -	ecnosc	00 0	indicate -	by "-"								
Commands	* Commands a SX50	SX6	SX60		es are	nuicated	by .								
supported	01.00**	01.01**	01.01**	01.0	01**										
	0	0	0		)										

Ouppo		<del></del>			•										
Model	F	Powe	er					Input					Мо	de	Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	Remarks
SX50	0	0	0	0	0	0	0	0	0	-	_	0	×	0	
SX6	0	0	0	0	0	0	0	0	0	0	0	0	×	0	
SX60															
X600															

<sup>\*</sup> If a command cannot be supported, 'INVALID\_MODE' is returned as an error response.

User Command Specifications 9. Details of command GET

Function Retrieve each data  Format GET□ <parameter></parameter>	
?∆ <parameter></parameter>	
Parameter	
Parameter Mode	Meaning
POWER Power supply state	
BLANK BLANK status	
INPUT Input state	
	ot number
TRACK Input Horizon	g ntal position
VPOS signal Vertical	position
	ntal resolution
	resolution
SEL Input signal	
ASPECT Screen size  IMAGE Image settings	
IMAGE Image settings BRI Brightness setting	
CONT Contrast setting	
SHARP Sharpness setting	
GAMMA Gamma correction	
DGAMMA Dynamic gamma	
PROG Progressive  WB Screen color correc	tion methods
WBRGB Screen color correct	
SAT Color saturation set	,
HUE Hue setting	
RGBGAIN RGB gain adjustme	
RGBOFFSET RGB offset adjustm ACADJUST Advanced color adju	
MEMCADJ Memory color corre	
6AXADJ 6-axis adjustment C	
6AXR R Settin	
6AXG 6-axis G Settin B Settin	•
6AXC COIOF C. Settin	ŭ .
6AXM adjust M Settin	Ü
6AXY Y Settin	
VKS Vertical keystone di	
HKS Horizontal keystone AVOL Volume adjustment	
MUTE Mute status	
BVOL Beep sound setting	status
IMAGEFLIP Flip display status	
PMM Power managemen PJON Display screen at st	
	tartup setting en there are no signals setting
NOSHOW Display screen whe	ů ů
LOGOPOS User image position	
LANG Language	
LAMP Lamp output TERMINAL Terminal setting	
TERMINAL Terminal setting  KEYLOCK Key lock	
RCCH Remote control Ch	
GUIDE Guide display settin	
DPON Direct power-on set	
LEDILLUMINATE LED display setting	
NOSHOWSTATE No show status  FREEZE Freeze status	
SIGNALSTATUS Signal status detect	tion
LAMPCOUNTER Lamp on time	
ERR Error information	
PRODCODE Production code	
ROMVER ROM version COMVER User command vers	sion
25 2 Soor sommand voice	

User Command Specifications 9. Details of command GET MODE

Commands	GET N	ODE				Mo	ode Control	Setting	Reference					
Function	Current con	trol mode in	quiry											
Format	GET⊡N ?∆MOI													
Response	Mode LOCA REMO	L The loc TE The ren	M al mode is c	eaning urrently esta s currently e ror List."					ID					
Description	This inquires about the current control mode.  -1 For details on the control modes of the user commands, refer to the control mode2 This inquiry can be executed in any status provided that AC power is supplied to the projector3 The control mode is usually switched by REMOTE command-LOCAL command, but when the next event occurs in the remote status, the mode is switched to the local status.  a. When the POWER button on the remote control or main unit panel has been pressed twice (power off operation) b. When the power management mode has been established (standby, power off)													
Example	b. When the power management mode has been established (standby, power off)													
Commands supported	0,100	SX6 01.01**	SX60 01.01**	X600 01.01**										

Ouppoi	icu ·	JUII	IIIIai	ia Otato	J										
Model	F	owe	er					Input					Мо	de	Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	Remarks
SX50	0	0	0	0	0	0	0	0	0	-	-	0	0	0	
SX6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
SX60															
X600															

User Command Specifications 9. Details of command GET POWER

Commands	GET P	OWER	₹			Me	ode Control	Setting	Reference					
Function	Power statu	is inquiry												
Format	GET□I ?ΔPO\	POWER WER												
Response	g:POW	ER= <powe< th=""><th>r status: ID:</th><th>&gt;</th><th></th><th></th><th></th><th></th><th></th></powe<>	r status: ID:	>										
	Powers	supply state		Sta	itus									
	OFF		Power Off											
	OFF2O	N	Transitionin	ng from powe	er off→on									
	ON		Power on											
	ON2PM	1M	Transitionin	ng from powe	er on→stand	dby mode			ID					
	PMM		Standby											
	PMM2C	N	Transitionin	ng from stand	dby→power	on								
	ON2OF	F	Transitionin	ng from powe	er on→off									
Description	For all other responses, refer to "Error List."  This inquires about the current projector power status.													
	This inquires about the current projector power status.  -1 This inquiry can be executed in any status provided that AC power is supplied to the projector. For the "SX50," the <b>remote mode</b> must be established2 Use the following commands to control the power status with the user commands.    Mode													
	Remo		POWER/P	OWER_OFF										
Example	> GET PO	OWER or ?F	OWER											
Zxampio	< g:POW	ER=ON												
Commands	SX50	SX6	SX60	esponses are X600	mulcaleu Dy	<u>` .                                     </u>								
supported		01.01**	01.01**	01.01**										
	01.00	0	0	0										
						1								

	Ouppoi	icu v	COII	IIIIai	iu otate	3										
I	Model	F	Powe	er					Input					Mo	de	Remarks
ı		OFF	ON	PM	D-RGB	GB A-RGB1 A-RGB2 Comp Video S-Video D-Video SCART Nor									Local	Remarks
I	SX50	0	0	0	0	0	0	0	0	0	-	-	0	0	×	
I	SX6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
ı	SX60															
ı	X600															

<sup>\*</sup> If a command cannot be supported, 'INVALID\_MODE' is returned as an error response.

User Command Specifications 9. Details of command GET BLANK

Commands	GET BL	_ANK					Mode	Control	Setting	Reference					
Function	BLANK status	s inquiry													
Format	GET□BL ?∆BLAN														
Response	BLANK: ON OF	g:BLANK status   Status    ON   BLANK underway    OFF   BLANK release underway    For all other responses, refer to "Error List."													
Description	(1) This inqui the same However, ( Refer	This command is used to inquire about the current BLANK status.  (1) This inquiry can be made when the projector is in both the <b>remote mode</b> and <b>power-on</b> status at the same time.  However, a "busy" response is given while the zoom or focus lens is being driven.  ( Refer to the ZCONTDRV command and FCONTDRV command. )  (2) The BLANK setting can be controlled using the BLANK command.													
Example	< g:BLANK	> GET BLANK or ? BLANK < g:BLANK=ON  *Commands are indicated by ">", and responses are indicated by "<".													
Commands supported	SX50 01. 00** × When a comman	SX6 01. 01** O nd is not supp	SX60 01. 01** O ported, "e:000/	X600 01. 01** O A INVALID_PA	RAMETER" is	returned.									

Model	Pow	er sı	upply					Input					Мо	de	Remarks							
	OFF	ON	РМ	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	INCINIALNS							
SX50	_	ı	_	_	_	_	_	_	_	-	-	_	_	_								
SX6	×	0	×	0	0	0	0	0	0	0	0	0	0	×								
SX60																						
X600	I																					

<sup>\*</sup>If a state is not supported, "INVALID\_MODE" or "NOT\_POWER\_SUPPLIED" is returned with the Err response.

9. Details of command GET INPUT User Command Specifications

Commands	GET IN	NPUT						Mode	Control Setting	Reference					
Function	Input selecti	on inquiry													
Format	GET□II ?∆INPI	-													
Response	g:INPU	T= <input th="" ty<=""/> <th>pe: ID&gt;</th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th>	pe: ID>												
	Input type Meaning Errors supported by model SX50 SX6 SX60 X600														
	D-RGB D-RGB O O O														
	A-RGB1   A-RGB1   O   O   O   O														
	A-RGB2   A-RGB2   O   O   O   O   O   O   O   O   O														
			nent							ID					
		VIDEO Video O O O													
	S-VIDEO   S-Video   O   O   O   O   D-VIDEO   Digital Video   ×   O   O   O   O   O   O   O   O   O														
	D-VIDEO   Digital Video   X   O   O   O   SCARTRGB  SCART(RGB)   X   O   O   O														
		For all other responses, refer to "Error List."													
Description	-1 This inq A "busy (Refer t With the	This inquires about the current input selection.  -1 This inquiry can be made in the <b>power-on</b> status.  A "busy" response is given while the zoom or focus lens is being driven.  (Refer to the ZCONTDRV command and FCONTDRV command.)  With the SX50, the inquiry can be made in the remote mode only.  -2 The input selection can be controlled by the INPUT command.													
Example	< g:INPU	-2 The input selection can be controlled by the INPUT command.  > GET INPUT or ? INPUT  < g:INPUT=VIDEO  * Commands are indicated by ">", and responses are indicated by "<".													
Commands	SX50	SX6	SX60	X600		,									
supported	0.1100	01.01**	01.01**	01.01**											
	0	0	0	0											

Model	F	owe	r					Input					Mo	de	Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	Remarks
SX50	×	0	×	0	0	0	0	0	0	-	-	0	0	×	
SX6	×	0	×	0	0	0	0	0	0	0	0	0	0	0	
SX60															
X600															

<sup>\*</sup> If a command cannot be supported, 'INVALID\_MODE' or 'NOT\_POWER\_SUPPLIED' is returned as an error response.

\* "i:BUSY" may be returned if the power status is being switched.

9. Details of command GET DOTS User Command Specifications

Commands	GET D	OTS					Mode	Control	Setting	Reference				
Function	Total numb	er of dots in	quiry											
Format	GET⊡I ?∆DO													
Response	g:DOT	S= <total nu<="" th=""><th>mber of do</th><th>ts: Number</th><th><b>'&gt;</b></th><th></th><th></th><th></th><th></th><th></th></total>	mber of do	ts: Number	<b>'&gt;</b>									
	For all other	r responses	refer to "Er	ror List."						Number				
Description	This inquire	his inquires about the current total number of dots.												
	the sam A "busy (Refer the With so -2 The total	-1 This inquiry can be made when the projector is in both the <b>remote mode</b> and <b>power-on</b> status at the same time.  A "busy" response is given while the zoom or focus lens is being driven.  (Refer to the ZCONTDRV command and FCONTDRV command.)  With some input signals, it may not be possible to make this inquiry.  -2 The total number of dots can be set by the DOTS command.												
Example	> GET D0 < q:DOTS	DTS or ? DC S=1200	TS											
	Ŭ	are indicated	hy ">" and re	esnonses are	indicated by	"~"								
Commands		SX6	SX60	X600	maioaica by	Ť								
supported	0,100	01.01**	01.01**	01.01**										
	0	0	0	0					1					
							•		-					

Cupi	2011	.ou ·	0011	mnaı	ia Otato	· ·										
Mod	lel	F	owe	er					Input					Mo	de	Remarks
		OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	Kemarks
SX5	50	×	0	×	×	0	0	×	×	×	-	-	×	0	×	
SX	6	×	0	×	×	0	0	×	×	×	×	×	×	0	×	
SX	60															
X60	00															

<sup>\*</sup> If the command cannot be supported, 'INVALID\_MODE,' 'NOT\_POWER\_SUPPLIED' or 'INVALID\_SOURCE' is returned as an error response.

\* If the necessary signals are not input, 'INVALID\_SIGNAL (\*\*\*\*\*\*)' or 'NO\_SIGNAL' is returned.

\* "i:BUSY" may be returned if the power status is being switched.

9. Details of command GET TRACK User Command Specifications

Commands	GET T	RACK					Mode	Control S	Setting	Reference					
Function	Tracking ad	justment va	lue inquiry												
Format	GET□T ?∆TRA														
Response	g:TRAC	g:TRACK= <tracking adjustment="" number="" value:=""></tracking>													
	For all other	For all other responses, refer to "Error List."													
Description	This inquires about the current tracking adjustment value.														
	the sam A "busy (Refer t With soi -2 The trac	<ul> <li>-1 This inquiry can be made when the projector is in both the remote mode and power-on status at the same time.</li> <li>A "busy" response is given while the zoom or focus lens is being driven.</li> <li>(Refer to the ZCONTDRV command and FCONTDRV command.)</li> <li>With some input signals, it may not be possible to make this inquiry.</li> <li>-2 The tracking adjustment can be set by the TRACK command.</li> </ul>													
Example	_	ACK or ? T	RACK												
	< g:TRAC	N=2 I													
			by ">", and re		indicated by	y "<".									
Commands	6,100	SX6	SX60	X600											
supported	01.00** O	01.01**	01.01**	01.01** O											
	U	U	O	0	l										

O app	,,,,,	<del></del>		ia Otato											
Mode	I	Pow	er					Input					Mo	de	Remarks
	OFF	ON	PM	D-RGB	RGB A-RGB1 A-RGB2 Comp Video S-Video D-Video SCART None									Local	Kemarks
SX50	×	0	×	×	0	0	×	×	×	-	-	×	0	×	
SX6	×	0	×	×	0	0	×	×	×	×	×	×	0	×	
SX60															
X600															

<sup>\*</sup> If the command cannot be supported, 'INVALID\_MODE,' 'NOT\_POWER\_SUPPLIED' or 'INVALID\_SOURCE' is returned as an error response.

\* If the necessary signals are not input, 'INVALID\_SIGNAL (\*\*\*\*\*)' or 'NO\_SIGNAL' is returned.

\* "i:BUSY" may be returned if the power status is being switched.

Commands	GET H	IPOS/\	/POS			M	ode	Control	Setting	Reference					
Function	Horizontal a	and vertical p	position adju	istment inqu	iries										
Format	Horizont GET□I ?△HP0		justment inqui	ry Vertical GET□ ?△VP		tment inquiry	•								
Response	g:HPOS= <horizontal adjustment="" number="" position="" value:=""> g:VPOS=<vertical adjustment="" number="" position="" value:="">  Number  For all other responses, refer to "Error List."  These inquire about the current horizontal and vertical position adjustment values.</vertical></horizontal>														
Description	-1 This ind the san A "busy (Refer With so	These inquire about the current horizontal and vertical position adjustment values.  -1 This inquiry can be made when the projector is in both the <b>remote mode</b> and <b>power-on</b> status at the same time.  A "busy" response is given while the zoom or focus lens is being driven.  (Refer to the ZCONTDRV command and FCONTDRV command.)  With some input signals, it may not be possible to make this inquiry.  -2 The horizontal and vertical position adjustments can be set using the HPOS and VPOS commands respectively.													
Example	< g:VPOS														
Commands supported	0,100	SX6 01.01**	SX60 01.01**	X600 01.01**											
						l			I						

						-										
M	lodel	F	Powe	er					Input					Mo	de	Remarks
		OFF	ON	PM	D-RGB	RGB A-RGB1 A-RGB2 Comp   Video   S-Video   D-Video   SCART   None									Local	Remarks
S	X50	×	0	×	×	0	0	×	×	×	-	_	×	0	×	
S	SX6	×	0	×	×	0	0	×	×	×	×	×	×	0	×	
S	X60															
X	(600															

<sup>\*</sup> If the command cannot be supported, "INVALID\_MODE," "NOT\_POWER\_SUPPLIED" or "INVALID\_SOURCE" is returned as an error response.

<sup>\*</sup> If the necessary signals are not input, 'INVALID\_SIGNAL (\*\*\*\*\*)' or 'NO\_SIGNAL' is returned.
\* "i:BUSY" may be returned if the power status is being switched.

Number
status at

`	Juppoi	iou .	0011	iiiiai	ia Otato	· ·										
	Model	F	owe	r					Input					Mo	de	Remarks
		OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	None	Remote	Local	Kemarks					
	SX50	×	0	×	0	0	0	×	×	×	-	-	×	0	×	
I	SX6	×	0	×	0	0	0	×	×	×	×	×	×	0	×	
ı	SX60															
	X600															

<sup>\*</sup> If the command cannot be supported, "INVALID\_MODE," "NOT\_POWER\_SUPPLIED" or "INVALID\_SOURCE" is returned as an error response.

<sup>\*</sup> If the necessary signals are not input, 'INVALID\_SIGNAL (\*\*\*\*\*)' or 'NO\_SIGNAL' is returned.
\* "i:BUSY" may be returned if the power status is being switched.

9. Details of command GET SEL User Command Specifications

Commands	GET SE	EL					Mode	Control	Setting	Reference			
Function	Input signal in	quiry											
Format	GET□SE ?∆SEL	L											
	, ASEL												
Response	g:SEL= <li< th=""><th>nput sigr</th><th>nal: ID&gt;</th><th></th><th></th><th></th><th></th><th></th><th></th><th></th></li<>	nput sigr	nal: ID>										
	Input s	signal			Remarks								
	PA		L-M,PAL-N i		rtomanto								
	SEC												
	NTS	SC NT	SC4.43 inclu	ided									
	108		)p (1080i noı	n-interlaced	signals) inc	luded							
	103												
	720									ID			
	575 480												
		•	n (DAL evet	om non-into	rlacad ciana	ale) includ	od						
	575i 288p (PAL system non-interlaced signals) included												
	480i 240p (NTSC system non-interlaced signals) included UNKNOWN No-color, 1080p, and other signals												
	UNKNUWN No-color, 1080p, and other signals												
	For all other re	esponses	, refer to "Er	ror List."									
D	T-1. 1	- L ( d)											
Description	This inquires a	about the	current inpu	t signais.									
	-1 This inquir	ny can ha	made when	the projecto	r ie in hoth	the <b>remot</b>	a mad	a and no	wor-on	etatue at			
	the same	-	made when	the projecte	1 13 111 00111	uno r <b>emo</b> t	c illou	c and pe	, we. o	status at			
	A "busy" re	esponse i	is given while	e the zoom	or focus len	s is being	driven						
	(Refer to t	the ZCON	ITDRV com	mand and F	CONTDRV	command	.)						
			ınals, it may				iry.						
	-2 The input	signals ca	an be selecte	ed by the SE	L comman	d.							
Eventula	> GET SEL	or 2 CE!											
Example	> GET SEL < g:SEL=57												
	\ y.3LL=37	υp											
	* Commands are	e indicated	by ">", and re	esponses are	indicated by	"<".							
Commands	SX50	SX6	SX60	X600									
supported	01.00**	01.01**	01.01**	01.01**									
	0	0	0	0									

Model	F	owe	r					Input					Mo	de	Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	INCIIIAINS
SX50	×	0	×	×	×	×	0	0	0	-	_	×	0	×	
SX6	×	0	×	×	×	×	0	0	0	×	×	×	0	×	
SX60															
X600															

<sup>\*</sup> If the command cannot be supported, 'INVALID\_MODE,' 'NOT\_POWER\_SUPPLIED' or 'INVALID\_SOURCE' is returned as an error response.
\* If the necessary signals are not input, 'INVALID\_SIGNAL (\*\*\*\*\*)' or 'NO\_SIGNAL' is returned.

<sup>\* &</sup>quot;i:BUSY" may be returned if the power status is being switched.

9. Details of command GET ASPECT User Command Specifications

Commands	<b>GET A</b>	SPEC	T					Mode	Control Setting	Reference					
Function	Screen setti	ng inquiry													
Format	GET□A ?∆ASP														
Response	g:ASPECT= <screen setting:id=""></screen>														
	Parame	Parameter Meaning Errors supported by model  SX50 SX6 SX60 X600													
	AUTC	AUTO Auto O O O													
		NORMAL Normal O													
		WIDE         Wide         O         O         O         ID													
		FULL         Full screen         O         O         O           TRUE         Real         O         O         O													
	IRUE	TRUE Real O O O O													
	For all other responses, refer to "Error List."														
	-1 This inqu the same A "busy" (Refer to With sor -2 The scre	This inquires about the current screen setting.  -1 This inquiry can be made when the projector is in both the <b>remote mode</b> and <b>power-on</b> status at the same time.  A "busy" response is given while the zoom or focus lens is being driven.  (Refer to the ZCONTDRV command and FCONTDRV command.)  With some input signals, it may not be possible to make this inquiry.  -2 The screen settings can be selected by the ASPECT command.													
Example	> GET ASPECT or ? ASPECT < g:ASPECT=TRUE  * Commands are indicated by ">", and responses are indicated by "<".														
Commands	0.100	SX6	SX60	X600											
supported	000	01.01**	01.01**	01.01*											
	0	0	0	0			J								

Model	F	owe	r					Input					Мо	de	Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	Remarks
SX50	×	0	×	0	0	0	0	0	0	-	-	0	0	×	
SX6	×	0	×	0	0	0	0	0	0	0	0	0	0	×	
SX60															
X600															

<sup>\*</sup> If the command cannot be supported, 'INVALID\_MODE,' 'NOT\_POWER\_SUPPLIED' or 'INVALID\_SOURCE' is returned as an error response.

\* If the necessary signals are not input, 'INVALID\_SIGNAL (\*\*\*\*\*\*)' or 'NO\_SIGNAL' is returned.

\* "i:BUSY" may be returned if the power status is being switched.

9. Details of command GET IMAGE User Command Specifications

Commands	GET II	MAGE						Mode	Control Setting	Reference					
Function	Image mod	e inquiry													
Format	GET⊡I ?ΔIMA														
Response	g:IMAGE= <image mode:id=""/>														
	Parameter Meaning Errors supported by model														
	SX50 SX6 SX60 X600														
	STANDARD Standard O O O O														
		PRESENTATION Presentation O O O													
		NEMA	Cinema		0	×	×	×							
		SRGB	sRGB		0	0	0	0		ID					
		DOBE	ADOBE RG	iB	×	0	×	×							
		IOVIE	Movie		×	×	0	0							
		MOVIE_PHOTO Movie & Photo x O x x													
	HOME	HOME_CINEMA Home theater × × O ×													
	For all other responses, refer to "Error List."  This inquires about the current image mode.														
	-1 This ind the san A "busy (Refer -2 The ima	This inquires about the current image mode.  -1 This inquiry can be made when the projector is in both the <b>remote mode</b> and <b>power-on</b> status at the same time.  A "busy" response is given while the zoom or focus lens is being driven.  (Refer to the ZCONTDRV command and FCONTDRV command.)  -2 The image mode settings can be selected by the IMAGE command.													
Example	< g:IMAG	IAGE or ? IN E=CINEMA are indicated	_	esponses	are indi	cated by '	"<".								
Commands	0,100	SX6	SX60	X600											
supported	01.00**	01.01**	01.01**	01.01	**										
	0	0	0	0											

Model	F	owe	r					Input					Мо	de	Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	Remarks
SX50	×	0	×	0	0	0	0	0	0	-	-	0	0	×	
SX6	×	0	×	0	0	0	0	0	0	0	0	0	0	×	
SX60															
X600															

<sup>\*</sup> If a command cannot be supported, 'INVALID\_MODE' or 'NOT\_POWER\_SUPPLIED' is returned as an error response.

\* "i:BUSY" may be returned if the power status is being switched.

9. Details of command GET BRI User Command Specifications

GET B	BRI					Mode	Control	Setting	Reference				
Brightness v	/alue setting	inquiry											
GET□E ?∆BRI	BRI												
g:BRI=	<brightnes< th=""><th>s:Number&gt;</th><th></th><th></th><th></th><th></th><th></th><th></th><th></th></brightnes<>	s:Number>											
or all other	responses,	refer to "Er	ror List."						Number				
his inquires about the current brightness value setting.  1 This inquiry can be made when the projector is in both the <b>remote mode</b> and <b>power-on</b> status at the same time.  A "busy" response is given while the zoom or focus lens is being driven.  (Refer to the ZCONTDRV command and FCONTDRV command.)  2 The brightness can be set by the BRI command.													
< g:BRI=-	10	by ">", and re	esponses are	indicated by	"<".								
SX50	SX6	SX60	X600						_				
01.00**	01.01**	01.01**	01.01**										
0	0	0	0										
3	GET□E ?△BRI g:BRI=- or all other his inquire 1 This inquire 4 "busy (Refer t 2 The brig > GET BR < g:BRI=- Commands SX50	GET□BRI ?△BRI  g:BRI= <brightness "busy"="" (refer="" 1="" 2="" a="" about="" all="" be="" brightness="" can="" his="" i="" inquires="" inquiry="" or="" other="" response="" responses,="" same="" the="" this="" time.="" to="" zcon=""> GET BRI or ? BRI &lt; g:BRI=-10  Commands are indicated  SX50 SX6 01.00** O1.01**</brightness>	GET□BRI ?△BRI  g:BRI= <brightness:number> or all other responses, refer to "Eri his inquires about the current bright 1 This inquiry can be made when the same time. A "busy" response is given while (Refer to the ZCONTDRV common the brightness can be set by the common the same time.  SET BRI or ? BRI  G:BRI=-10  Commands are indicated by "&gt;", and response is given while of the properties of the common the same time.  SET BRI or ? BRI  G:BRI=-10  Commands are indicated by "&gt;", and response is given while of the properties of the p</brightness:number>	GET □BRI ? △BRI  g:BRI= <brightness: number=""> or all other responses, refer to "Error List." his inquires about the current brightness value 1 This inquiry can be made when the projector the same time. A "busy" response is given while the zoom of (Refer to the ZCONTDRV command and Fig. 2 The brightness can be set by the BRI comm &gt; GET BRI or ? BRI &lt; g:BRI=-10  Commands are indicated by "&gt;", and responses are SX50 SX6 SX60 X600 01.01** 01.01** 01.01**</brightness:>	GET□BRI ?△BRI  g:BRI= <brightness:number> or all other responses, refer to "Error List."  his inquires about the current brightness value setting.  1 This inquiry can be made when the projector is in both the same time.  A "busy" response is given while the zoom or focus len (Refer to the ZCONTDRV command and FCONTDRV 2. The brightness can be set by the BRI command.  &gt; GET BRI or ? BRI &lt; g:BRI=-10  Commands are indicated by "&gt;", and responses are indicated by SX50 SX6 SX60 X600 01.01** 01.01** 01.01**</brightness:number>	GET□BRI ?△BRI  g:BRI= <brightness:number> or all other responses, refer to "Error List."  his inquires about the current brightness value setting.  1 This inquiry can be made when the projector is in both the remot the same time.  A "busy" response is given while the zoom or focus lens is being (Refer to the ZCONTDRV command and FCONTDRV command.  The brightness can be set by the BRI command.  GET BRI or ? BRI  g:BRI=-10  Commands are indicated by "&gt;", and responses are indicated by "&lt;".  SX50 SX6 SX60 X600 01.00** 01.01** 01.01** 01.01**</brightness:number>	GET□BRI ?△BRI  g:BRI= <brightness:number> or all other responses, refer to "Error List."  his inquires about the current brightness value setting.  1 This inquiry can be made when the projector is in both the remote mod the same time.  A "busy" response is given while the zoom or focus lens is being driven (Refer to the ZCONTDRV command and FCONTDRV command.)  2 The brightness can be set by the BRI command.  &gt; GET BRI or ? BRI &lt; g:BRI=-10  Commands are indicated by "&gt;", and responses are indicated by "&lt;".  SX50 SX6 SX60 X600 01.00** 01.01** 01.01** 01.01**</brightness:number>	GET□BRI ?△BRI  g:BRI= <brightness:number> or all other responses, refer to "Error List."  his inquires about the current brightness value setting.  1 This inquiry can be made when the projector is in both the remote mode and pour the same time.  A "busy" response is given while the zoom or focus lens is being driven.  (Refer to the ZCONTDRV command and FCONTDRV command.)  2 The brightness can be set by the BRI command.  &gt; GET BRI or ? BRI &lt; g:BRI=-10  Commands are indicated by "&gt;", and responses are indicated by "&lt;".  SX50 SX6 SX60 X600 01.00** 01.01** 01.01** 01.01**</brightness:number>	GET□BRI ?△BRI  g:BRI= <brightness:number> or all other responses, refer to "Error List."  his inquires about the current brightness value setting.  1 This inquiry can be made when the projector is in both the remote mode and power-on the same time.  A "busy" response is given while the zoom or focus lens is being driven.  (Refer to the ZCONTDRV command and FCONTDRV command.)  2 The brightness can be set by the BRI command.  &gt; GET BRI or ? BRI &lt; g:BRI=-10  Commands are indicated by "&gt;", and responses are indicated by "&lt;".  SX50 SX6 SX60 X600 01.00** 01.01** 01.01** 01.01**</brightness:number>				

N	Nodel		owe						Input					Мо	de	Remarks
		OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	Remarks
0,	SX50	×	0	×	0	0	0	0	0	0	-	-	0	0	×	
	SX6	×	0	×	0	0	0	0	0	0	0	0	0	0	×	
3	SX60															
2	X600															

<sup>\*</sup> If a command cannot be supported, 'INVALID\_MODE' or 'NOT\_POWER\_SUPPLIED' is returned as an error response.

\* "i:BUSY" may be returned if the power status is being switched.

9. Details of command GET CONT User Command Specifications

Commands	GET C	CONT				1	Mode	Control	Setting	Reference					
Function	Contrast va	lue setting ir	nquiry												
Format	GET⊡0 ?ΔCOI														
Response	g:CON	T= <contras< th=""><th>t value: Nu</th><th>mber&gt;</th><th></th><th></th><th></th><th></th><th></th><th></th></contras<>	t value: Nu	mber>											
	For all other	r responses	, refer to "Er	ror List."						Number					
Description	-1 This inc the sam A "busy (Refer	his inquires about the current contrast value setting.  1 This inquiry can be made when the projector is in both the <b>remote mode</b> and <b>power-on</b> status at the same time.  A "busy" response is given while the zoom or focus lens is being driven.  (Refer to the ZCONTDRV command and FCONTDRV command.)  2 The contrast can be set by the CONT command.													
Example	< g:CON	ONT or ? CC Γ=3 are indicated		esponses are	indicated by	"<".									
Commands	SX50	SX6	SX60	X600											
supported	01.00**	01.01**	01.01**	01.01**											
	0	0	0	0					]						

Model	F	owe	er					Input					Мо	de	Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	Remarks
SX50	×	0	×	0	0	0	0	0	0	-	-	0	0	×	
SX6	×	0	×	0	0	0	0	0	0	0	0	0	0	×	
SX60															
X600															

<sup>\*</sup> If a command cannot be supported, 'INVALID\_MODE' or 'NOT\_POWER\_SUPPLIED' is returned as an error response.

\* "i:BUSY" may be returned if the power status is being switched.

9. Details of command GET SHARP User Command Specifications

Commands	GET S	HARP				N	lode	Control	Setting	Reference					
Function	Sharpness	value settinç	j inquiry												
Format	GET⊡S ?∆ SH.														
Response	g;SHAF	RP= <sharp< th=""><th>ness setting</th><th>g: Number&gt;</th><th></th><th></th><th></th><th></th><th></th><th></th></sharp<>	ness setting	g: Number>											
	For all other	responses	refer to "Er	ror List."						Number					
Description	This inquire														
	the sam A "busy (Refer t	his inquires about the current sharpness value setting.  1 This inquiry can be made when the projector is in both the <b>remote mode</b> and <b>power-on</b> status at the same time.  A "busy" response is given while the zoom or focus lens is being driven.  (Refer to the ZCONTDRV command and FCONTDRV command.)  2 The sharpness can be set by the SHARP command.													
Example		HARP or ? S	HARP												
	< g:SHAR	ir=3													
				esponses are	indicated by "	<".									
Commands		SX6	SX60	X600											
supported	01.01** O	01.01** O	01.01** O	01.01** O											
	J			U			<u> </u>								

N	Model		owe						Input					Mo	de	Remarks
		OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	Remarks
0,	SX50	×	0	×	0	0	0	0	0	0	-	-	0	0	×	
	SX6	×	0	×	0	0	0	0	0	0	0	0	0	0	×	
3	SX60															
2	X600															

<sup>\*</sup> If a command cannot be supported, 'INVALID\_MODE' or 'NOT\_POWER\_SUPPLIED' is returned as an error response.

\* "i:BUSY" may be returned if the power status is being switched.

9. Details of command GET GAMMA User Command Specifications

Commands	GET G	AMMA	4			4	Mode	Control	Setting	Reference					
Function	Gamma adj	justment val	ue inquiry												
Format	GET⊡0 ?∆GAI	GAMMA MMA													
Response	g:GAM	MA= <gamr< th=""><th>na adjustm</th><th>ent value: N</th><th>lumber&gt;</th><th></th><th></th><th></th><th></th><th></th></gamr<>	na adjustm	ent value: N	lumber>										
	For all other	r responses	refer to "Er	ror List."						Number					
Description	-1 This inc the sam A "busy (Refer	This inquires about the current gamma adjustment value.  -1 This inquiry can be made when the projector is in both the <b>remote mode</b> and <b>power-on</b> status at the same time.  A "busy" response is given while the zoom or focus lens is being driven.  (Refer to the ZCONTDRV command and FCONTDRV command.)  -2 The gamma adjustment value can be set by the GAMMA command.													
Example	< g:GAMI	AMMA or ? ( MA=3 are indicated		esponses are	indicated by	"<".									
Commands	SX50	SX6	SX60	X600				•							
supported	01.00**	01.01**	01.01**	01.01**		<u> </u>									
	0	0	0	0		1			]						

_																
N	Model		owe						Input					Mo	de	Remarks
		OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	Remarks
*	SX50	×	0	×	0	0	0	0	0	0	-	-	0	0	×	
	SX6	×	0	×	0	0	0	0	0	0	0	0	0	0	×	
	SX60															
	X600															

<sup>\*</sup> If a command cannot be supported, 'INVALID\_MODE' or 'NOT\_POWER\_SUPPLIED' is returned as an error response.

\* "i:BUSY" may be returned if the power status is being switched.

9. Details of command GET DGAMMA User Command Specifications

Commands	GET D	GAM	ΛA				Mode	Control	Setting	Reference
Function	Dynamic ga	amma value	setting inqui	iry						
Format	GET⊡I ?ΔDG/	DGAMMA AMMA								
Response	Settin 0 1	MMA= <setting meanin="" off="" on="" th=""  =""  <=""><th>g</th><th>ror List."</th><th></th><th></th><th></th><th></th><th></th><th>ID</th></setting>	g	ror List."						ID
Description	-1 This inc the sam A "busy (Refer	quiry can be	made when s given whil ITDRV comi	the projector e the zoom mand and F	or is in both or focus len CONTDRV	the <b>remo</b> is is being comman	g driven d.)			status at
Example	< g:DGAN	GAMMA or 3 MMA=1 are indicated		esponses are	indicated by	"<".				
Commands supported	0,100	SX6 01.01**	SX60 01.01**	X600 01.01**						
	Ŭ				I .	1				

-	F															
	Model	F	owe	r					Input					Mo	de	Remarks
		OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	Remarks
ı	SX50	×	0	×	0	0	0	0	0	0	-	-	0	0	×	
ı	SX6	×	0	×	0	0	0	0	0	0	0	0	0	0	×	
	SX60															
	X600															

<sup>\*</sup> If a command cannot be supported, 'INVALID\_MODE' or 'NOT\_POWER\_SUPPLIED' is returned as an error response.

\* "i:BUSY" may be returned if the power status is being switched.

9. Details of command GET PROG User Command Specifications

Commands	GET PR	OG						Mode	Control Setting	Reference					
Function	Progressive val	ue settin	g inquiry												
Format	GET□PRO ?∆PROG	G													
Response	g:PROG=<	Set (sta	tus) value:	ID>					_						
	Response		Meaning	-	SX50	rs suppo SX6	rted by n SX60	X600							
	0	Off On			0	00	0	0		ID					
	2	AUTO			×	0	Ö	0	-						
	For all other res	sponses,	refer to "Err	or List."					-						
Description	This inquires at	out the	current prog	ressive (	status)	value se	et.			•					
	at the same A "busy" red (Refer to th With some -2 The signific  Model  SX50  SX6  SX60  X600  -3 The progres	This inquires about the current progressive (status) value set.  -1 This inquiry can be made when the projector is in both the remote mode and power-on status at the same time.  A "busy" response is given while the zoom or focus lens is being driven. (Refer to the ZCONTDRV command and FCONTDRV command.) With some input signals, it may not be possible to make this inquiry2 The significance of the response differs slightly depending on the model concerned.    Model   Significance of response													
Example	> GET PROG < g:PROG=1	or?Ph	(UG												
Commands	* Commands are SX50	indicated SX6	by ">", and re	sponses X600		ated by "	<". 		1						
supported		1.01**	01.01**	01.01*											
	0	0	0	0											
	<u>j</u>														

Model	F	owe	r					Input					Mo	de	Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	Remarks
SX50	×	0	×	×	×	×	0	0	0	-	-	×	0	×	
SX6	×	0	×	×	×	×	0	0	0	×	×	×	0	×	
SX60															
X600															

<sup>\*</sup> If the command cannot be supported, 'INVALID\_MODE,' 'NOT\_POWER\_SUPPLIED' or 'INVALID\_SOURCE' is returned as an error response.

\* If the necessary signals are not input, 'INVALID\_SIGNAL (\*\*\*\*\*\*)' or 'NO\_SIGNAL' is returned.

\* "i:BUSY" may be returned if the power status is being switched.

9. Details of command GET WB User Command Specifications

Commands	GET V	VB					Mode	Control	Setting	Reference					
Function	Screen colo	r correction	inquiry												
Format	GET⊡V ?∆WB	VB													
Response	Respon NORMA GREEN ADJUS	AL BOARE T	Meaning Normal Blackboard Adjust		)>					ID					
Description	-1 This inq the sam A "busy (Refer t	rall other responses, refer to "Error List." s inquires about the current screen color correction.  This inquiry can be made when the projector is in both the <b>remote mode</b> and <b>power-on</b> status at the same time. A "busy" response is given while the zoom or focus lens is being driven. (Refer to the ZCONTDRV command and FCONTDRV command.) The screen color correction can be set by the WB command.													
Example	< g:WB=0														
Commands supported	0,100	SX6 01.01**	SX60 01.01**	X600 01.01**				•	_						
зарропец	01.00	0	0	01.01											

Model	F	owe	r					Input					Мо	de	Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	Remarks
SX50	×	0	×	0	0	0	0	0	0	-	-	0	0	×	
SX6	×	0	×	0	0	0	0	0	0	0	0	0	0	×	
SX60															
X600															

<sup>\*</sup> If a command cannot be supported, 'INVALID\_MODE' or 'NOT\_POWER\_SUPPLIED' is returned as an error response.
\* "i:BUSY" may be returned if the power status is being switched.

9. Details of command GET WBRGB User Command Specifications

Commands	GET V	VBRG	3				Mode	Control S	Setting	Reference						
Function	Screen colo	or correction	(adjustment	t) inquiry												
Format	GET□\ ?∆WB	WBRGB RGB														
Response	_	GB= <r adj<="" th=""><th></th><th>lue: Numbe</th><th>r&gt;∇<g ad<="" th=""><th>justment</th><th>value:</th><th>Number&gt;</th><th>•∇<b< th=""><th></th></b<></th></g></th></r>		lue: Numbe	r>∇ <g ad<="" th=""><th>justment</th><th>value:</th><th>Number&gt;</th><th>•∇<b< th=""><th></th></b<></th></g>	justment	value:	Number>	•∇ <b< th=""><th></th></b<>							
	For all other	All other responses, refer to "Error List."  Inquires about the current screen color correction (adjustment).														
Description	This inquire	is inquires about the current screen color correction (adjustment).														
	the sam A "busy (Refer t -2 The scr	-1 This inquires about the current screen color correction (adjustment).  -1 This inquiry can be made when the projector is in both the <b>remote mode</b> and <b>power-on</b> status at the same time.  A "busy" response is given while the zoom or focus lens is being driven.  (Refer to the ZCONTDRV command and FCONTDRV command.)  -2 The screen color correction (adjustment) can be set by the WBRGB command.														
Example		BRGB or ? \ GB=10, 0, 1														
	Ŭ															
		are indicated			indicated by	′ "<".										
Commands	0,100	SX6	SX60	X600												
supported	01.00** O	01.01**	01.01**	01.01** O												
	0	0	0													

Опрре	itou	0011	iiiiai	ia Otato	· ·										
Mode		Powe	er					Input					Mo	de	Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	Remarks
SX50	×	0	×	0	0	0	0	0	0	-	_	0	0	×	
SX6	×	0	×	0	0	0	0	0	0	0	0	0	0	×	
SX60															
X600															

<sup>\*</sup> If a command cannot be supported, 'INVALID\_MODE' or 'NOT\_POWER\_SUPPLIED' is returned as an error response.
\* "i:BUSY" may be returned if the power status is being switched.

9. Details of command GET SAT User Command Specifications

Commands	GET SA	<b>Δ</b> Τ					Mode	Control	Setting	Reference					
Function	Color saturati	on value s	etting inquir	у											
Format	GET□SA ?∆SAT	ΛT													
Response	g:SAT=<	Color satu	ıration valu	ie setting: I	Number>										
	For all other re	esponses,	refer to "Er	ror List."						Number					
Description	This inquires	about the	current colo	r saturation	value settir	ng.									
	the same A "busy" r (Refer to With some	This inquires about the current color saturation value setting.  -1 This inquiry can be made when the projector is in both the <b>remote mode</b> and <b>power-on</b> status at the same time.  A "busy" response is given while the zoom or focus lens is being driven.  (Refer to the ZCONTDRV command and FCONTDRV command.)  With some input signals, it may not be possible to make this inquiry.  -2 The color saturation can be set by the SAT command.													
Example	> GET SAT < q:SAT=1	or ? SAT													
	\ y.5A1=1														
	* Commands ar			_	indicated by	′ "<".									
Commands supported	0,100	SX6	SX60	X600											
Supported	01.00**	01.01**	01.01**	01.01* O											
	J	0			l		1								

Ouppe		<del></del>		ia Otato	· ·										
Model	ı	Powe	er					Input					Mo	de	Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	Kemarks
SX50	×	0	×	×	×	×	0	0	0	-	_	0	0	×	
SX6	×	0	×	×	×	×	0	0	0	×	×	0	0	×	
SX60															
X600															

<sup>\*</sup> If the command cannot be supported, 'INVALID\_MODE,' 'NOT\_POWER\_SUPPLIED' or 'INVALID\_SOURCE' is returned as an error response.

\* If the necessary signals are not input, 'INVALID\_SIGNAL (\*\*\*\*\*)' or 'NO\_SIGNAL' is returned.

\* "i:BUSY" may be returned if the power status is being switched.

9. Details of command GET HUE User Command Specifications

Commands	<b>GET HUE</b>						Mode	Control	Setting	Reference				
Function	Hue value setting	g inquir	у											
Format	GET□HUE ?∆HUE													
Response	g:HUE= <hu< th=""><th>e value</th><th>setting:N</th><th>umber&gt;</th><th></th><th></th><th></th><th></th><th></th><th></th></hu<>	e value	setting:N	umber>										
	For all other resp	onses,	refer to "Er	ror List."						Number				
Description	This inquires abo	out the	current hue	value set.										
	the same tim A "busy" res (Refer to the With some ir -2 The hue can	<ul> <li>This inquires about the current hue value set.</li> <li>This inquiry can be made when the projector is in both the remote mode and power-on status at the same time.</li> <li>A "busy" response is given while the zoom or focus lens is being driven.</li> <li>(Refer to the ZCONTDRV command and FCONTDRV command.)</li> <li>With some input signals, it may not be possible to make this inquiry.</li> <li>The hue can be set by the HUE command.</li> </ul>												
Example	> GET HUE or < q:HUE=1	? HUE												
	* Commands are ir	dicated	by "> " and re	ocnoncoc oro	indicated by	. 11 . 11								
Commands		SX6	SX60	X600	indicated by	Ť	-							
supported	07.00	.01**	01.01**	01.01**										
		0	0	0										
						•	•							

Опррог															
Model	F	Powe	er					Input					Mo	de	Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	Remarks
SX50		0					0	-	-			0			
3/30	×	U	×	×	×	×	-	0	0	_	_	×	0	×	
SX6							0	-	_			0			
SX60	×	0	×	×	×	×				×	×		$\circ$	×	
X600	^					_	_	0	0	_	.,	×		.,	

<sup>\*</sup> If the command cannot be supported, 'INVALID\_MODE,' 'NOT\_POWER\_SUPPLIED' or 'INVALID\_SOURCE' is returned as an error response.

\* If the necessary signals are not input, 'INVALID\_SIGNAL (\*\*\*\*\*)' or 'NO\_SIGNAL' is returned.

\* "i:BUSY" may be returned if the power status is being switched.

User Command Specifications 9. Details of command GET RGBGAIN

Commands	GET R	GBGAII	N				Mode	Control	Setting	Reference					
Function	RGB gain ad	ljustment valu	ue inquiry												
Format	GET□R ?∆RGB	RGBGAIN GAIN													
Response	adjustm	AIN= <r adju<br="">ent value:No responses, r</r>	umber>		7 <g adjustm<="" th=""><th>ent value : N</th><th>umber&gt;<sup>v</sup></th><th><b>∀</b><b< th=""><th>N</th><th>umber</th></b<></th></g>	ent value : N	umber> <sup>v</sup>	<b>∀</b> <b< th=""><th>N</th><th>umber</th></b<>	N	umber					
Description	(1) This inquithe sam However	(1) This inquiry can be made when the projector is in both the remote mode and power-on status at the same time.  However, a "busy" response is given while the zoom or focus lens is being driven.  ( Refer to the ZCONTDRV command and FCONTDRV command. )  (2) The RGB gain can be set using the RGBGAIN command.													
Example	< g:RGBG	iBGAIN or ? I AIN=-10, 0, 1 are indicated by	9	onses are indi	cated by "<".										
Commands supported	×	SX6 01. 01**  O and is not supp	SX60 01. 01** O	0	RAMETER" is	returned.									

Model	Pow	er sı	ıpply					Input					Mo	de	Remarks
	OFF	ON	РМ	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	Remarks
SX50	_	_	_	-	_	_	_	_	_	_	_	-	_	_	
SX6 SX60	×	0	×	0	0	0	0	0	0	0	0	0	0	×	
X600															

<sup>\*</sup>If a state is not supported, "INVALID\_MODE" or "NOT\_POWER\_SUPPLIED" is returned with the Err response.

 $<sup>\</sup>textcolor{red}{*When the power supply state is in the process of switching, an "i:BUSY" reply may be sent.}$ 

Commands	GET R	GBOFF	SET				Mode	Control	Setting	Reference					
Function	RGB offset	adjustment v	alue inquiry												
Format		RGBOFFSET SOFFSET													
Response	adjustm	FFSET= <r a<br="">ent value: Nu responses, r</r>	mber>		V <g adjusti<="" th=""><th>ment value: N</th><th>lumber&gt;</th><th><b>▽</b><b< th=""><th>N</th><th>lumber</th></b<></th></g>	ment value: N	lumber>	<b>▽</b> <b< th=""><th>N</th><th>lumber</th></b<>	N	lumber					
Description	(1) This inq the sam Howeve ( Ref	This command is used to inquire about the current RGB offset adjustment values.  (1) This inquiry can be made when the projector is in both the <b>remote mode</b> and <b>power-on</b> status at the same time.  However, a "busy" response is given while the zoom or focus lens is being driven.  ( Refer to the ZCONTDRV command and FCONTDRV command. )  (2) The RGB offset can be set using the RGBOFFSET command.													
Example	< g:RGBO	> GET RGBOFFSET or ? RGBOFFSET  < g:RGBOFFSET=-10, 0, 19  Commands are indicated by ">", and responses are indicated by "<".													
Commands supported	01. 00** ×	SX6 01. 01**  O and is not supp	SX60 01. 01** O	0	RAMETER" is	returned.									

Model	Pow	er sı	pply					Input					Мо	de	Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	Remarks
SX50	_	_	-	-	_	_	_	_	_	_	_	-	_	_	
SX6 SX60 X600	×	0	×	0	0	0	0	0	0	0	0	0	0	×	

<sup>\*</sup>If a state is not supported, "INVALID\_MODE" or "NOT\_POWER\_SUPPLIED" is returned with the Err response.

<sup>\*</sup>When the power supply state is in the process of switching, an "i:BUSY" reply may be sent.

Commands	GET A	CADJ	UST				Mode	Control	Setting	Reference			
Function	Advanced of	color adjustm	ent inquiry										
Format		ACADJUST ADJUST											
Response	g:ACAI	DJUST= <de< th=""><th>tails of adj</th><th>ustment:ID</th><th>&gt;</th><th></th><th></th><th></th><th></th><th></th></de<>	tails of adj	ustment:ID	>								
	Details	of adjustme	nt Meanin	g									
	NOCOF	RRECT		ıstment									
	MEM_L		Low me	emory color	adjustment								
	MEM_N				lor adjustme	nt				ID			
		MEM_H High memory color adjustment											
	6AX	6-axis adjustment											
		or all other responses, refer to "Error List."  his inquires about the details of the current advanced color adjustment.											
	-1 This ind the sam A "busy (Refer t -2 The adv	quiry can be ne time. " response i to the ZCON vanced color	made when s given whil FDRV command adjustment	the projector e the zoom of and and FCO t can be set	vanced color or is in both the or focus lens NTDRV common the ACAD	ne <b>remo</b> nis being	te mod		ower-on	ı status at			
Example	> GET ACADJUST or ? ACADJUST < g:ACADJUST=6AX  * Commands are indicated by ">", and responses are indicated by "<".												
Commands	SX50	SX6	SX60	X600									
supported	01.00**	01.01**	01.01**	01.01**									
	0	×	×	×									
	When a com	mand is not su	upported, "e:0	000A INVALID	_PARAMETER	R" is retui	ned.						

Ouppo.		<b>-</b>		ia Ciaio											
Model	F	owe	r					Input					Mo	de	Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	Remains
SX50	×	0	×	×	×	×	0	0	0	_	_	0	0	×	
SX6	1	-	1	_	-	_	1	-	-	_	_	_	_	1	
SX60															
X600															

<sup>\*</sup> If a command cannot be supported, 'INVALID\_MODE' or 'NOT\_POWER\_SUPPLIED' is returned as an error response.
\* "i:BUSY" may be returned if the power status is being switched.

User Command Specifications 9. Details of command GET MEMCADJ

Commands	GET M	EMCA	)J					Mode	Control	Setting	Reference				
Function	Memory cold	or adjustment	setting inqu	iry											
Format	GET□M ?△MEM	MEMCADJ ICADJ													
Response	g:MEMC	ADJ= <detai< th=""><th>ls of adjustn</th><th>nent:ID&gt;</th><th></th><th></th><th></th><th></th><th></th><th></th><th></th></detai<>	ls of adjustn	nent:ID>											
	Details of	of adjustment	Meaning												
	OFF		No adju												
	MEM_L		Low me	mory color a	djustment										
	MEM_M	- , ,													
	MEM_H	MEM_H High memory color adjustment													
	For all other responses, refer to "Error List."  This command is used to inquire about the current memory color adjustment setting.														
Description	(1) This inquithe sam However	uiry can be n e time. r, a "busy" re er to the ZC	nade when the esponse is gi	e projector is ven while the command a	s in both the second or focused FCONT g the MEMC	remo us lei DR\	te modens is be	e and po ing drive mand.	ower-on en.	status at	t				
Example	> GET ME	MCADJ or ?	MEMCADJ												
	< g:MEMC	ADJ=MEM_M													
	*Commands a	re indicated by	">", and resp	onses are indi	cated by "<".										
Commands	SX50	SX6	SX60	X600											
supported	01. 00**	01. 01**	01. 01**	01. 01**											
	×	0	0	0											
	When a comm	and is not supp	orted, "e:000,	a invalid_pa	RAMETER" is r	return	ed.								

Cuppor	tou c		land	States											
Model								Input					Mo	de	Remarks
	OFF	ON	РМ	D-RGB	RGB A-RGB1 A-RGB2 Comp Video S-Video D-Video SCART None									Local	Remarks
SX50	_	ı	_	_	_	_	_	_	_	_	_	_	_	_	
SX6	×	0	×	0	0	0	0	0	0	0	0	0	0	×	
SX60															
X600															

<sup>\*</sup>If a state is not supported, "INVALID\_MODE" or "NOT\_POWER\_SUPPLIED" is returned with the Err response.

<sup>\*</sup>When the power supply state is in the process of switching, an "i:BUSY" reply may be sent.

User Command Specifications 9. Details of command GET 6AXADJ

Commands	GET 6	AXADJ					Mode	Control	Setting	Reference					
Function	6-axis adjus	tment ON/O	FF inquiry												
Format	GET□6 ?△6AX														
Response	g:6AXAI	DJ= <setting< th=""><th>:ID&gt;</th><th></th><th></th><th></th><th></th><th></th><th></th><th></th></setting<>	:ID>												
	Settir	ng Meaning													
	ON		s the 6-axis	adjustment t	o ON.										
	OFF	This set	s the 6-axis	adjustment t	o OFF.					ID					
		all other responses refer to "Frror List."													
	For all other	all other responses, refer to "Error List."													
Description	This comma	command is used to inquire whether the 6-axis adjustment is ON or OFF.													
	the sam However ( Refe	<ol> <li>This inquiry can be made when the projector is in both the remote mode and power—on status at the same time.</li> <li>However, a "busy" response is given while the zoom or focus lens is being driven.         <ul> <li>( Refer to the ZCONTDRV command and FCONTDRV command. )</li> </ul> </li> <li>ON or OFF for the 6-axis adjustment can be set using the 6AXADJ command.</li> </ol>													
Example		XADJ or ? 6/	AXADJ												
	< g:6AXAE	DJ=ON													
	*Commands are indicated by ">", and responses are indicated by "<".														
Commands	SX50	SX6	SX60	X600											
supported		01. 01**	01. 01**	01. 01**											
	X	and is not supp	O	0	DAMETED"										
	wnen a comm	and is not supp	ported, e:000/	4 INVALID_PA	KAMETER	is returned.									

- опррого															
Model	Pow	er su	upply					Input					Мо	de	Remarks
	OFF	ON	РМ	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	INCINIAINS
SX50	_	_	_	_	_	_	_	_	_	_	_	_	_	_	
SX6	×	0	×	0	0	0	0	0	0	0	0	0	0	×	
SX60															
X600															

 $<sup>* \</sup>textit{If a state is not supported, "INVALID\_MODE" or "NOT\_POWER\_SUPPLIED" is returned with the Err response.} \\$ 

<sup>\*</sup>When the power supply state is in the process of switching, an "i:BUSY" reply may be sent.

Commands	GET 6	AXR-	-6AXY			+	Mode	Control	Setting	Reference				
Function	6-axis corre	ction R to	Y hue/color s	aturation sett	ing inquiry									
Format	R setting GET□6 ?△6AX	AXR C	Setting inquiry SET□6AXG P△6AXG	B setting inqu GET□6AXE ?△6AXB	GET□6	SAXC G	/I setting SET□6 P∆6AX	AXM	Y setting GET□6 ?△6AX	SAXY				
Response			<b>/I,Y)=<hue b="" val<=""> es, refer to "Er</hue></b>		>∇ <color s<="" th=""><th>saturatio</th><th>n: Num</th><th>nber&gt;</th><th></th><th>Number</th></color>	saturatio	n: Num	nber>		Number				
Description	-1 This inq the sam A "busy (Refer t	<ul> <li>This inquires about the current 6-axis correction R to Y hue and color saturation settings.</li> <li>This inquiry can be made when the projector is in both the remote mode and power-on status at the same time.</li> <li>A "busy" response is given while the zoom or focus lens is being driven.</li> <li>(Refer to the ZCONTDRV command and FCONTDRV command.)</li> <li>The 6-axis correction R to Y can be set by the 6AXR to Y command.</li> </ul>												
Example	> GET 6AXR or ? 6AXR < g:6AXR=12, -8  * Commands are indicated by ">", and responses are indicated by "<".													
Commands supported	SX50 SX6 SX60 X600													

Опрре	itou	0011	iiiiai	ia Otato	· ·										
Mode		Powe	er					Input					Мо	de	Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	Remarks
SX50	×	0	×	0	0	0	0	0	0	-	_	0	0	×	
SX6	×	0	×	0	0	0	0	0	0	0	0	0	0	×	
SX60															
X600															

<sup>\*</sup> If a command cannot be supported, 'INVALID\_MODE' or 'NOT\_POWER\_SUPPLIED' is returned as an error response.
\* "i:BUSY" may be returned if the power status is being switched.

9. Details of command GET LAMP User Command Specifications

Commands	GET L	.AMP				M	ode	Control	Setting	Reference			
Function	Lamp outpu	ıt setting inq	uiry										
Format	GET□I ?□LAN												
Response	Settir NORM SILEN	AL Normal	g ooling	ror List."						D			
Description	-1 This inc the sam A "busy (Refer t	This inquires about the current lamp output setting.  1 This inquiry can be made when the projector is in both the <b>remote mode</b> and <b>power-on</b> status at the same time.  A "busy" response is given while the zoom or focus lens is being driven.  (Refer to the ZCONTDRV command and FCONTDRV command.)  2 The lamp output can be set by the LAMP command.											
Example	< g:LAMF	> GET LAMP or ? LAMP < g:LAMP=NORMAL  Commands are indicated by ">", and responses are indicated by "<".											
Commands supported	0,100	SX6 01.01**	SX60 01.01**	X600 01.01**									

Model	F	owe	er					Input					Мо	de	Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	Remarks
SX50	×	0	×	0	0	0	0	0	0	-	-	0	0	×	
SX6	×	0	×	0	0	0	0	0	0	0	0	0	0	×	
SX60															
X600															

<sup>\*</sup> If a command cannot be supported, 'INVALID\_MODE' or 'NOT\_POWER\_SUPPLIED' is returned as an error response.

\* "i:BUSY" may be returned if the power status is being switched.

9. Details of command GET VKS/HKS User Command Specifications

Commands	GET V	KS/H	<b>(</b> S			t	Mode	Control	Setting	Reference					
Function	Vertical/hor	izontal keys	tone setting	inquiry											
Format	Vertical I GET□\ ?∆VK\$	-	ng inquiry	Horizontal ke GET□HKS ?△HKS	eystone setting	inquiry									
Response	g:HKS=		l keystone	tting: Numb setting: Nu ror List."						Number					
Description	These inqui	hese inquire about the current vertical and horizontal keystone settings.													
	the sam A "busy (Refer t -2 The ver respect	These inquire about the current vertical and horizontal keystone settings.  -1 This inquiry can be made when the projector is in both the <b>remote mode</b> and <b>power-on</b> status at the same time.  A "busy" response is given while the zoom or focus lens is being driven.  (Refer to the ZCONTDRV command and FCONTDRV command.)  -2 The vertical and horizontal keystone settings can be selected by the VKS and HKS commands, respectively.													
Example	> GET VI < g:VKS=	(S or ? VKS -23													
			by ">", and re	esponses are	indicated by "<	<u>".                                    </u>									
Commands	0,100	SX6	SX60	X600											
supported	01.00**	01.01**	01.01** O	01.01**											
					<u> </u>				1						

Model	F	owe	r					Input					Мо	de	Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	Remaiks
SX50	×	0	×	0	0	0	0	0	0	-	-	×	0	×	
SX6	×	0	×	0	0	0	0	0	0	0	0	0	0	×	
SX60															
X600															

<sup>\*</sup> If a command cannot be supported, 'INVALID\_MODE' or 'NOT\_POWER\_SUPPLIED' is returned as an error response.

<sup>\*</sup> If the necessary signals are not input, 'NO\_SIGNAL' is returned.
\* "i:BUSY" may be returned if the power status is being switched.

9. Details of command GET AVOL User Command Specifications

Commands	GET A	VOL				t	Mode	Control	Setting	Reference					
Function	Audio volun	ne setting in	quiry												
Format	GET□/ ?∆AV(														
Response	g:AVOI	_= <volume< th=""><th>setting: Nu</th><th>ımber&gt;</th><th></th><th></th><th></th><th></th><th></th><th></th></volume<>	setting: Nu	ımber>											
	For all other	r responses	, refer to "Er	ror List."						Number					
Description	This inquire	his inquires about the current audio volume setting.  1 This inquiry can be made when the projector is in both the remote mode and power-on status at													
		-1 This inquiry can be made when the projector is in both the <b>remote mode</b> and <b>power-on</b> status at the same time.													
		ie iirie. " response i	s given while	e the zoom	or focus len	s is being	driven	١.							
	(	to the ZCON				command.	)								
	-2 The aud	dio volume d	an be set by	the AVOL	command.										
Example		/OL or ? AV	OL												
	< g:AVOL	.=18													
	* Commands	are indicated	by ">", and re	esponses are	indicated by	"<".									
Commands		SX6	SX60	X600	,										
supported	01.00**	01.01**	01.01**	01.01**											
	0	0	0	0					]						

Model	F	owe	r					Input					Mo	ode	Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	Remarks
SX50	×	0	×	0	0	0	0	0	0	-	_	0	0	×	
SX6	×	0	×	0	0	0	0	0	0	0	0	0	0	×	
SX60															
X600															

<sup>\*</sup> If a command cannot be supported, 'INVALID\_MODE' or 'NOT\_POWER\_SUPPLIED' is returned as an error response.

\* "i:BUSY" may be returned if the power status is being switched.

9. Details of command GET MUTE User Command Specifications

Commands	GET N	<b>IUTE</b>					Mode	Control	Setting	Reference					
Function	Mute contro	ol setting inq	uiry												
Format	GET⊡I ?ΔMU														
Response	Settir ON OFF	This tur This ret	g ns off the au urns the aud	dio/beep sou	ound. und to its orig	ginal setti	ng.			ID					
Description	-1 This inc the sam A "busy (Refer	This inquires about the current mute control setting.  -1 This inquiry can be made when the projector is in both the <b>remote mode</b> and <b>power-on</b> status at the same time.  A "busy" response is given while the zoom or focus lens is being driven.  (Refer to the ZCONTDRV command and FCONTDRV command.)  -2 Mute control can be set by the MUTE command.													
Example	< g:MUTE	· · · · · · · · · · · · · · · · · · ·													
Commands supported	0,100	SX6 01.01**	SX60 01.01**	X600 01.01**											

		_	_												
Model	F	owe	er					Input					Мо	de	Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	Remarks
SX50	×	0	×	0	0	0	0	0	0	-	-	0	0	×	
SX6	×	0	×	0	0	0	0	0	0	0	0	0	0	0	
SX60															
X600	I														

<sup>\*</sup> If a command cannot be supported, 'INVALID\_MODE' or 'NOT\_POWER\_SUPPLIED' is returned as an error response.

\* "i:BUSY" may be returned if the power status is being switched.

9. Details of command GET BVOL User Command Specifications

Commands	GET B	VOL					Mode	Control	Setting	Reference					
Function	Beep sound	l value settir	ng inquiry												
Format	GET□E ?ΔBV0														
Response	Settin 0	BEEP s	g cound mute cound output							ID					
Description	-1 This inq the sam A "busy (Refer t	This inquires about the current beep sound value set.  -1 This inquiry can be made when the projector is in both the <b>remote mode</b> and <b>power-on</b> status at the same time.  A "busy" response is given while the zoom or focus lens is being driven.  (Refer to the <u>ZCONTDRV command</u> and FCONTDRV command.)  -2 The beep sound can be set using the BVOL command.													
Example	< g:BVOL			esponses are	indicated by "	"<".									
Commands supported		SX6 01.01** O	SX60 01.01**	X600 01.01**											

			-		-										
Model	F	owe	er					Input					Mo	de	Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	INCIIIAINS
SX50	×	0	×	0	0	0	0	0	0	_	-	0	0	×	
SX6	×	0	×	0	0	0	0	0	0	0	0	0	0	×	
SX60															
X600															

<sup>\*</sup> If a command cannot be supported, 'INVALID\_MODE' or 'NOT\_POWER\_SUPPLIED' is returned as an error response.

\* "i:BUSY" may be returned if the power status is being switched.

Commands	GET II	MAGE	FLIP			Me	ode	Control	Setting	Reference					
Function	Flip display	setting inqu	iiry												
Format		MAGEFLIP GEFLIP													
Response	g:IMAG	SEFLIP= <se< th=""><th>etting:ID&gt;</th><th></th><th></th><th></th><th></th><th></th><th></th><th></th></se<>	etting:ID>												
	S	etting	Meani	ng	Rem	narks									
	N	IONE	None												
		EILING	Ceiling		horizontally	/				10					
	-	REAR	Rear		vertically					ID					
	REAR	_CEILING	Rear ceiling	g Flip	horizontally	and vertica	ally								
		r all other responses, refer to "Error List." is inquires about the current flip display setting.													
	-1 This inc the sam A "busy (Refer -2 The flip	quiry can be ne time. " response to the ZCON display can	made when is given whil NTDRV comi be set usinç	the projector e the zoom mand and F g the IMAGE	or is in both to or focus lens CONTDRV	s is being dr command.)		-	wer-on	status at					
Example	< g:IMAG	EFLIP=REA	r ? IMAGEF AR_CEILING I by ">", and re	3	indicated by "	'<".									
Commands		SX6	SX60	X600											
supported	01.00	01.01**	01.01**	01.01**											
	0	0	0	0											

`	ouppoi	icu	COII	iiiiai	id Clate	J										
I	Model	F	Powe	er					Input					Mo	de	Remarks
		OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	Remarks
Ī	SX50	×	0	×	0	0	0	0	0	0	-	-	0	0	×	
	SX6	×	0	×	0	0	0	0	0	0	0	0	0	0	×	
	SX60															
	X600															

<sup>\*</sup> If a command cannot be supported, 'INVALID\_MODE' or 'NOT\_POWER\_SUPPLIED' is returned as an error response.

\* "i:BUSY" may be returned if the power status is being switched.

User Command Specifications 9. Details of command GET PMM

Commands	GET P	MM					Mode	Control	Setting	Reference					
Function	Power man	agement se	tting inquiry												
Format	GET□F ?ΔPMI														
Response	g:PMM	= <setting:1< th=""><th>D&gt;</th><th></th><th></th><th></th><th></th><th></th><th></th><th></th></setting:1<>	D>												
	S	etting	Meani	ng											
	(	OFF	Off												
		ANDBY	Standby mo	ode						ID					
		EXIT	Exit mode												
	For all other	all other responses, refer to "Error List."  inquires about the current power management setting.													
Description	This inquire	inquires about the current power management setting.													
	the sam A "busy (Refer t	1 This inquires about the current power management setting.  1 This inquiry can be made when the projector is in both the <b>remote mode</b> and <b>power-on</b> status at the same time.  A "busy" response is given while the zoom or focus lens is being driven.  (Refer to the ZCONTDRV command and FCONTDRV command)  2 Power management can be set by the PMM command.													
Example		/IM or ? PMI	M												
	< g:PMM=	=EXIT													
	* Commondo	ara indicatad	by ". " and re		sindianted by										
Commands		SX6	SX60	X600	indicated by	<.									
supported	0.100	01.01**	01.01**	01.01**											
	0	0	0	0											
			-	-	•	•		•	5						

Model		owe						Input					Мо	de	Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	Remarks
SX50	×	0	×	0	0	0	0	0	0	-	-	0	0	×	
SX6	×	0	×	0	0	0	0	0	0	0	0	0	0	×	
SX60															
X600															

<sup>\*</sup> If a command cannot be supported, 'INVALID\_MODE' or 'NOT\_POWER\_SUPPLIED' is returned as an error response.

\* "i:BUSY" may be returned if the power status is being switched.

9. Details of command GET PJON User Command Specifications

Commands	GET P	JON					Mode	Control S	Setting	Reference					
Function	Screen disp	layed at sta	rtup setting	inquiry											
Format	GET□F ?ΔPJC														
Response	g:PJON	l= <setting:< th=""><th>ID&gt;</th><th></th><th></th><th></th><th></th><th></th><th></th><th></th></setting:<>	ID>												
	Settin	<u> </u>													
	CANC														
	LOGO									ID					
	For all other	or all other responses, refer to "Error List."  his inquires about the current setting for the screen to be displayed at startup.													
Description	This inquire	his inquires about the current setting for the screen to be displayed at startup.													
	the sam A "busy (Refer t -2 The set	This inquires about the current setting for the screen to be displayed at startup.  -1 This inquiry can be made when the projector is in both the <b>remote mode</b> and <b>power-o</b> the same time.  A "busy" response is given while the zoom or focus lens is being driven.  (Refer to the ZCONTDRV command and FCONTDRV command.)  -2 The setting for the screen displayed at startup can be set by the PJON command.													
Example		ON or ? PJ	ON												
	< g:PJON	=SKIP													
	* Commands	are indicated	by ">", and re	esponses are	indicated by	"<".									
Commands	SX50	SX6	SX60	X600											
supported		01.01**	01.01**	01.01**											
	0	0	0	0											

Ouppoi	icu ·	OUII	iiiiai	ia Otato	J										
Model	F	owe	er					Input					Мо	de	Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	Remarks
SX50	×	0	×	0	0	0	0	0	0	-	-	0	0	×	
SX6	×	0	×	0	0	0	0	0	0	0	0	0	0	×	
SX60															
X600															

<sup>\*</sup> If a command cannot be supported, 'INVALID\_MODE' or 'NOT\_POWER\_SUPPLIED' is returned as an error response.
\* "i:BUSY" may be returned if the power status is being switched.

9. Details of command GET NOSIG User Command Specifications

Commands	GET N	IOSIG					Mode	Control	Setting	Reference					
Function	Screen disp	olayed at sta	rtup with no	signals sett	ng inquiry										
Format	GET□I ?∆NO														
Response	Settir BLAC BLUI LOG	Black s Blue sc User sc	g creen reen reen	ror List."						ID					
Description	This inquire	all other responses, refer to "Error List." s inquires about the current setting for the screen to be displayed when there are no signals.													
	the sam A "busy (Refer	quiry can be ne time. " response i to the ZCON play screen	s given whil ITDRV com	e the zoom	or focus lens	s is being command	driven .)			status at					
Example	> GET NO < g:NOSI	OSIG or ? N G=LOGO	OSIG												
	Ŭ	are indicated	by ">", and re	esponses are	indicated by "	<b>"&lt;"</b> .									
Commands		SX6	SX60	X600											
supported		01.01**	01.01**	01.01**											
	0	0	0	0											

	Suppoi	ieu i	CUII	IIIIai	iu State	3										
I	Model	F	Powe	er					Input			·		Mo	de	Remarks
ı		OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	None	Remote	Local	Remarks				
I	SX50	×	0	×	0	0	0	0	0	0	-	-	0	0	×	
I	SX6	×	0	×	0	0	0	0	0	0	0	0	0	0	×	
ı	SX60															ł
ı	X600															1

<sup>\*</sup> If a command cannot be supported, 'INVALID\_MODE' or 'NOT\_POWER\_SUPPLIED' is returned as an error response.
\* "i:BUSY" may be returned if the power status is being switched.

9. Details of command GET NOSHOW User Command Specifications

Commands	GET N	IOSHC	W				Mode	Control	Setting	Reference					
Function	Display scre	een when no	othing is sho	wn setting i	nquiry										
Format	GET⊡I ?∆NO	NOSHOW SHOW													
Response	Settir BLAC BLUI LOGG	Black so E Blue sc O User sc	g creen reen	ror List."						ID					
Description	-1 This inc the sam A "busy (Refer	or all other responses, refer to "Error List."  his inquires about the current setting for the screen to be displayed when nothing is shown.  1 This inquiry can be made when the projector is in both the <b>remote mode</b> and <b>power-on</b> status at the same time.  A "busy" response is given while the zoom or focus lens is being driven.  (Refer to the ZCONTDRV command and FCONTDRV command.)  2 The current display screen when nothing is shown can be set by the NOSHOW command.													
Example	< g:NOSH	· · · · · · · · · · · · · · · · · · ·													
Commands supported	0,100	SX6 01.01**	SX60 01.01**	X600 01.01**											
зарропец	01.00**	01.01**	01.01***	01.01***											

Г	Model	F	owe	er					Input					Mo	de	Remarks
		OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	Remarks
ľ	SX50	×	0	×	0	0	0	0	0	0	-	_	0	0	×	
I	SX6	×	0	×	0	0	0	0	0	0	0	0	0	0	×	
ı	SX60															
	X600															

<sup>\*</sup> If a command cannot be supported, 'INVALID\_MODE' or 'NOT\_POWER\_SUPPLIED' is returned as an error response.
\* "i:BUSY" may be returned if the power status is being switched.

Commands	GET L	.OGOF	os			1	Mode Co	ontrol Setting	Reference						
Function	User image	position inc	luiry												
Format		LOGOPOS GOPOS													
Response	g:LOG	OPOS= <set< th=""><th>tting:ID&gt;</th><th></th><th></th><th></th><th></th><th></th><th></th></set<>	tting:ID>												
	S	etting	Mean	ing											
	UP	PER_L	Upper left												
	UP	PER_R	Upper right												
		NTER	Center						ID						
		WER_L	Lower left												
	LO	LOWER_R   Lower right													
Dani'at'an		r all other responses, refer to "Error List." is inquires about the current user screen (logo) display position.													
	-1 This ind the san A "busy (Refer -2 An inqu (The er -3 The use	-or all other responses, refer to "Error List."  This inquires about the current user screen (logo) display position.  -1 This inquiry can be made when the projector is in both the remote mode and power-on status at the same time.  A "busy" response is given while the zoom or focus lens is being driven.  (Refer to the ZCONTDRV command and FCONTDRV command.)  -2 An inquiry cannot be made if the user image has not been registered.  (The error "e:1002 NO_LOGO_CAPTURED" is returned.)  -3 The user image position can be set by the LOGOPOS command.													
Example		OGOPOS or		S											
	J	OPOS=LOW are indicated	_	esponses a	re indicated b	y "<".									
Commands		SX6	SX60	X600											
supported		01.01**	01.01**	01.01**											
	0	0	0	0											

	аррог	icu i	JOII	iiiiai	iu otate	J										
N	/lodel	F	owe	r					Input					Mo	de	Remarks
		OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	Kemarks
S	SX50	×	0	×	0	0	0	0	0	0	-	_	0	0	×	
	SX6	×	0	×	0	0	0	0	0	0	0	0	0	0	×	
5	SX60															
	K600															

<sup>\*</sup> If a command cannot be supported, 'INVALID\_MODE' or 'NOT\_POWER\_SUPPLIED' is returned as an error response.

\* "i:BUSY" may be returned if the power status is being switched.

9. Details of command GET LANG User Command Specifications

Commands	<b>GET LA</b>	NG						Mode	Control	Setting	Reference
Function	Language inqu	iry									
Format	GET□LAN ?∆LANG	NG									
Response	g:LANG=<	Languag	e:ID>								
	Language		Meaning		SX50	rs suppo SX6	rted by m SX60	X600			
	ENG	English			0	0	0	0			
	FRA	French			0	0	0	0			
	GER	German			0	0	0	0			
	ITA	Italian			0	0	0	0			
	SPA	Spanish			0	0	0	0			
	POR	Portugue			0	0	0	0			
	SWE	Swedish			0	0	0	0			
	DUT	Dutch			0	0	0	0			
	RUS	Russian			0	0	0	0	-		
	CHS		(simplified) (traditional		0	0	0	0	-		ID
	CHT KOR	Korean	-								
	JPN	Japanes	^		0	0	0	0	-		
	FIN	Finnish	E		×	0	0	0	-		
	NOR	Norwegi	an		×	0	0	0			
	TUR	Turkish	an		×	0	0	0			
	POL	Polish			×	0	Ö	0	-		
	HUN	Hungaria	an		×	0	0	0			
	CZE	Czech			×	Ö	Ö	Ö			
	DAN	Danish			×	Ö	Ö	Ö	1		
	For all other re										
Description	This inquires al	bout the c	urrent lang	uage se	lection.						
	-1 This inquiry	me.							•	wer-on	status at
	A "busy" re (Refer to the -2 The languary	ne ZCONT	DRV comma	and and I	CONTE	RV com		g arıven	l.		
				LANG	Jonnal	iu.					
Example	> GET LANG < g:LANG=S	WE									
0	* Commands are					ated by "	<".		Т		
Commands	SX50	SX6	SX60	X600							
supported	01.00** (	O1.01**	01.01**	01.01 O							
	()	( )		. ()	1			- 1			

Ouppoi	icu ·	COII	IIIIai	iu olale	3										
Model	F	Powe	er					Input					Mo	de	Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	Remarks
SX50	×	0	×	0	0	0	0	0	0	_	-	0	0	×	
SX6	×	0	×	0	0	0	0	0	0	0	0	0	0	×	
SX60															
X600															

<sup>\*</sup> If a command cannot be supported, 'INVALID\_MODE' or 'NOT\_POWER\_SUPPLIED' is returned as an error response.

\* "i:BUSY" may be returned if the power status is being switched.

Commands	GET T	ERMIN	NAL			Mo	ode	Control	Setting	Reference					
Function	Terminal se	tting inquiry													
Format	GET⊡1 ?∆TEF	TERMINAL RMINAL													
Response	Settin IN OUT	This set	g ts to input ts to output	ror List."						ID					
Description	For all other responses, refer to "Error List."  This inquires about the current terminal setting.  -1 This inquiry can be made when the projector is in both the <b>remote mode</b> and <b>power-on</b> status at the same time.  A "busy" response is given while the zoom or focus lens is being driven.  (Refer to the ZCONTDRV command and FCONTDRV command.)  -2 The terminal can be set by the TERMINAL command.														
Example	< g:TERM	,													
Commands supported	SX50 01.00**	SX6 01.01** ×	SX60 01.01** ×	X600 01.01** × 000A INVALID	DADAMETE	Dilianation									

Оиррс	nteu Comma	iu c	iaic	J											
Mode	Parameter	ı	Powe	er					Input					Mo	de
		OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local
SX50	IN	×	0	×	0	0	0	0	0	0	-	_	0	0	×
3/30	OUT	×	0	×	0	0	×	×	0	0	-	_	0	0	×
SX6															
SX60	_	_	_	_	_	_	_	-	_	_	_	-	-	_	_
X600															

<sup>\*</sup> If the command cannot be supported, 'INVALID\_MODE,' 'NOT\_POWER\_SUPPLIED' or 'TERMINAL\_OUT' is returned as an error response.

\* "i:BUSY" may be returned if the power status is being switched.

GET K	<b>EYLO</b>	CK			M	ode	Control	Setting	Reference					
Key lock se	tting inquiry													
g:KEYL	OCK= <set< th=""><th>ting:ID&gt;</th><th></th><th></th><th></th><th></th><th></th><th></th><th></th></set<>	ting:ID>												
	<u> </u>													
									ID					
RC			lock						ID					
For all othe														
This inquire	his inquires about the current key lock setting.													
the sam A "busy (Refer to -2 Key loc	-1 This inquiry can be made when the projector is in both the remote mode and power-on status at the same time. A "busy" response is given while the zoom or focus lens is being driven. (Refer to the ZCONTDRV command and FCONTDRV command.)													
-		? KEYLOCK												
< g:KEYL	OCK=OFF													
			esponses are	indicated by	<u>"&lt;".</u>									
SX50	SX6	SX60	X600											
						-								
U	J	U	U	1		<u> </u>								
	GET III  GETUI  GETUI  GETUI  GETUI  Settir  OFF  MAIN  RC  For all other  1 This inquire  1 This inquire  1 This incurre  4 "busy  (Refer 1  2 Key loc  GET KE  9 GET KE  9 GEKEYL	GET   KEYLOCK   2KEYLOCK   2KEYLOCK   Setting   Meanin   OFF   No lock   MAIN   Main ke   RC   Remote   RC   Remote   Rouse   Responses   Refer to the ZCON   Care   GET□KEYLOCK ?△KEYLOCK  G:KEYLOCK= <setting:id>  Setting   Meaning OFF   No locking (OFF) MAIN   Main key lock RC   Remote control key  For all other responses, refer to "Err  This inquires about the current key  -1 This inquiry can be made when the same time. A "busy" response is given whil (Refer to the ZCONTDRV comming to the ZCONTDRV com</setting:id>	GET□KEYLOCK ?∆KEYLOCK ?∆KEYLOCK  g:KEYLOCK= <setting:id>  Setting   Meaning    OFF   No locking (OFF)    MAIN   Main key lock    RC   Remote control key lock    For all other responses, refer to "Error List."  This inquires about the current key lock setting    -1 This inquiry can be made when the project the same time.  A "busy" response is given while the zoom (Refer to the ZCONTDRV command and F -2 Key lock can be set by the KEYLOCK com    &gt; GET KEYLOCK or ? KEYLOCK    &lt; g:KEYLOCK=OFF  *Commands are indicated by "&gt;", and responses are SX50   SX6   SX60   X600    01.00**   01.01**   01.01**   01.01**  </setting:id>	GET□KEYLOCK ?∆KEYLOCK ?∆KEYLOCK  g:KEYLOCK= <setting:id>  Setting   Meaning   OFF   No locking (OFF)   MAIN   Main key lock   RC   Remote control key lock  For all other responses, refer to "Error List."  This inquires about the current key lock setting.  -1 This inquiry can be made when the projector is in both the same time. A "busy" response is given while the zoom or focus len (Refer to the ZCONTDRV command and FCONTDRV -2 Key lock can be set by the KEYLOCK command.  &gt; GET KEYLOCK or ? KEYLOCK &lt; g:KEYLOCK=OFF  *Commands are indicated by "&gt;", and responses are indicated by SX50   SX6   SX60   X600   01.00**   01.01**   01.01**   01.01**   01.01**</setting:id>	GET□KEYLOCK   ?ΔKEYLOCK   ?ΔKEYLOCK   ?ΔKEYLOCK   G:KEYLOCK   GET□KEYLOCK ?∆KEYLOCK  g:KEYLOCK= <setting:id>  Setting   Meaning   OFF   No locking (OFF)   MAIN   Main key lock   RC   Remote control key lock  For all other responses, refer to "Error List."  This inquires about the current key lock setting.  -1 This inquiry can be made when the projector is in both the remote mod the same time. A "busy" response is given while the zoom or focus lens is being driven (Refer to the ZCONTDRV command and FCONTDRV command.)  -2 Key lock can be set by the KEYLOCK command.  &gt; GET KEYLOCK or ? KEYLOCK &lt; g:KEYLOCK=OFF  *Commands are indicated by "&gt;", and responses are indicated by "&lt;".  SX50   SX6   SX60   X600   01.00**   01.01**   01.01**   01.01**   01.01**</setting:id>	Setting inquiry   GET□KEYLOCK   ?∆KEYLOCK   ?∆KEYLOCK   ?∆KEYLOCK   G:KEYLOCK   G:KEYLO	GET□KEYLOCK ?∆KEYLOCK  g:KEYLOCK= <setting:id>  Setting   Meaning   OFF   No locking (OFF)   MAIN   Main key lock   RC   Remote control key lock  For all other responses, refer to "Error List."  This inquires about the current key lock setting.  -1 This inquiry can be made when the projector is in both the remote mode and power-on the same time. A "busy" response is given while the zoom or focus lens is being driven. (Refer to the ZCONTDRV command and FCONTDRV command.) -2 Key lock can be set by the KEYLOCK command.  &gt; GET KEYLOCK or ? KEYLOCK &lt; g:KEYLOCK=OFF  *Commands are indicated by "&gt;", and responses are indicated by "&lt;".  SX50   SX6   SX60   X600   01.00**   01.01**   01.01**   01.01**   01.01**  </setting:id>							

Suppoi	ieu i	JUII	IIIIai	iu olale	3										
Model	-	owe						Input					Мо	de	Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	Remarks
SX50	×	0	×	0	0	0	0	0	0	-	-	0	0	×	
SX6	×	0	×	0	0	0	0	0	0	0	0	0	0	×	
SX60															
X600															l l

<sup>\*</sup> If a command cannot be supported, 'INVALID\_MODE' or 'NOT\_POWER\_SUPPLIED' is returned as an error response.
\* "i:BUSY" may be returned if the power status is being switched.

9. Details of command GET RCCH User Command Specifications

Commands	GET F	RCCH				A	Aode	Control	Setting	Reference					
Function	Remote cor	ntrol setting	inquiry												
Format	GET⊡I ?ΔRC														
Response	Settir 1 2	Remote	g e control cha e control cha	innel 2						ID					
Description	-1 This inc the sam A "busy (Refer	This inquires about the current remote control setting.  -1 This inquiry can be made when the projector is in both the <b>remote mode</b> and <b>power-on</b> status at the same time.  A "busy" response is given while the zoom or focus lens is being driven.  (Refer to the ZCONTDRV command and FCONTDRV command.)  -2 Remote control can be set by the RCCH command.													
Example	< g:RCCl	(													
Commands supported	SX50	SX6 01.01**	SX60 01.01**	X600 01.01**	indicated by										

Model	F	owe	er					Input					Мо	de	Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	Remarks
SX50	×	0	×	0	0	0	0	0	0	-	-	0	0	×	
SX6	×	0	×	0	0	0	0	0	0	0	0	0	0	×	
SX60															
X600															

<sup>\*</sup> If a command cannot be supported, 'INVALID\_MODE' or 'NOT\_POWER\_SUPPLIED' is returned as an error response.

\* "i:BUSY" may be returned if the power status is being switched.

User Command Specifications 9. Details of command GET GUID

Commands	GET G	UIDE					Mode	Control	Setting	Reference					
Function	Guide setting	g inquiry													
Format	GET□G ?△GUIE														
Response	g:GUIDE  Settir  ON  OFF	Guide di Guide di	splay ON splay OFF	or List."						ID					
Description	(1) This inqu the same However	This command is used to inquire about the current guide setting.  (1) This inquiry can be made when the projector is in both the <b>remote mode</b> and <b>power-on</b> status at the same time.  However, a "busy" response is given while the zoom or focus lens is being driven.  ( Refer to the ZCONTDRV command and FCONTDRV command. )  (2) The guide can be set using the GUIDE command.													
Example	< g:GUIDE	, ,													
Commands supported	×	SX6 01. 01** O and is not supp	SX60 01. 01** O	X600 01. 01** O A INVALID_PA	RAMETER" is	returned.									

- appoin															
Model	Pow	er sı	upply					Input					Мо	de	Remarks
	OFF	ON	РМ	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	INCINIAINS
SX50	_	ı	_	_	_	_	_	_	_	-	-	_	_	_	
SX6	×	0	×	0	0	0	0	0	0	0	0	0	0	×	
SX60															
X600	I														

 $<sup>* \</sup>textit{If a state is not supported, "INVALID\_MODE" or "NOT\_POWER\_SUPPLIED" is returned with the Err response.} \\$ 

 $<sup>\</sup>hbox{$\star$When the power supply state is in the process of switching, an $''$ is $BUSY''$ reply may be sent.}$ 

User Command Specifications 9. Details of command GET DPON

Commands	GET D	PON					Mode	Control	Setting	Reference					
Function	Direct power	on setting i	inquiry												
Format	GET□D ?△DPO														
Response	g:DPON  Settir  ON  OFF  For all other	This set This set	s direct powers	er-on to ON. er-on to OFF or List."	<u>.</u>					ID					
Description	(1) This inq the sam However ( Refe	nis command is used to inquire about the current direct power-on setting.  1) This inquiry can be made when the projector is in both the <b>remote mode</b> and <b>power-on</b> status at the same time.  However, a "busy" response is given while the zoom or focus lens is being driven.  ( Refer to the ZCONTDRV command and FCONTDRV command. )  2) Direct power-on can be set using the DPON command.													
Example	< g:DPON	, ,													
Commands supported	×	SX6 O1. O1** O and is not supp	0	X600 01. 01** O A INVALID_PA	RAMETER" is	returned.									

Model	Pow	er sı	pply					Input					Мо	de	Б
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	Remarks
SX50	_	_	_	_	_	_	-	_		-	-	-	_	_	
SX6	×	0	×	0	0	0	0	0	0	0	0	0	0	×	
SX60															
X600															

<sup>\*</sup>If a state is not supported, "INVALID\_MODE" or "NOT\_POWER\_SUPPLIED" is returned with the Err response.

<sup>\*</sup>When the power supply state is in the process of switching, an "i:BUSY" reply may be sent.

Commands	GET LI	EDILLU	MINAT	E			Mode	Control	Setting	Reference					
Function	Emotional L	ED and signal	sensing LEC	lighting seti	ing inquiry										
Format		EDILLUMINA ILLUMINATE													
Response	g:LEDIL  Settir  ON  OFF  For all other	This set	s the LED di	splay to ON. splay to OFF						ID					
Description	settings.  (1) This inquire the sam  However	his command is used to inquire about the current emotional LED and signal sensing LED lighting control settings.  1) This inquiry can be made when the projector is in both the <b>remote mode</b> and <b>power-on</b> status at the same time.  However, a "busy" response is given while the zoom or focus lens is being driven.  ( Refer to the ZCONTDRV command and FCONTDRV command. )													
	,							)							
Example	< g:LEDILI	2) LED lighting control can be set using the LEDILLUMINATE command.  > GET LEDILLUMINATE or ? LEDILLUMINATE  < g:LEDILLUMINATE=OFF  Commands are indicated by ">", and responses are indicated by "<".													
Commands supported	×	SX6 01. 01** O	SX60 01. 01** O	X600 01. 01** O	RAMETER" is	returned									

Model	Pow	er su	pply					Input					Мо	de	Remarks
	OFF	ON	РМ	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	INCINIAINS
SX50	_	_	_	_	_	_	_	_	_	-	-	_	_	_	
SX6	×	0	×	0	0	0	0	0	0	0	0	0	0	×	
SX60															
X600															

<sup>\*</sup>If a state is not supported, "INVALID\_MODE" or "NOT\_POWER\_SUPPLIED" is returned with the Err response.

 $<sup>\</sup>hbox{*When the power supply state is in the process of switching, an "i:BUSY" reply may be sent.}$ 

Commands	GET N	OSHOV	VSTATI	E			Mode	Control	Setting	Reference					
Function	NoShow stat	tus inquiry													
Format		OSHOWSTA HOWSTATE	TE												
Response	g:NOSH  Statu  ON  OFF  For all other	Screen s	temporarily o not temporar	ily off						ID					
Description	(1) This inqu However ( Refe	This command is used to inquire about the current NoShow status.  (1) This inquiry can be made at any time provided that the <b>power-on</b> status is established.  However, a "busy" response is given while the zoom or focus lens is being driven.  ( Refer to the ZCONTDRV command and FCONTDRV command. )  (2) No show status ON/OFF is controlled using the "RC NOSHOW" command in the local mode. (Toggling)													
Example	< g:NOSH	> GET NOSHOWSTATE or ? NOSHOWSTATE < g:NOSHOWSTATE=ON  Commands are indicated by ">", and responses are indicated by "<".													
Commands supported	\$X50 01. 00** × When a comm	SX6 01. 01** O and is not supp	0	X600 01. 01** O A INVALID_PA	RAMETER" is	returned.									

Model								Input					Мо	de	Remarks
	OFF	ON	РМ	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	Remarks
SX50	_	_	_	-	_	_	_	_	_	-	-	-	_	_	
SX6	×	0	×	0	0	0	0	0	0	0	0	0	0	0	
SX60															
X600															

<sup>\*</sup> If the command cannot be supported, "NOT\_POWER\_SUPPLIED" is returned as an error response.

<sup>\*</sup>When the power supply state is in the process of switching, an "i:BUSY" reply may be sent.

9. Details of command GET FREEZE User Command Specifications

Commands	GET F	REEZE					Mode	Control	Setting	Reference					
Function	Freeze statu	ıs inquiry													
Format	GET□F ?∆FREI														
Response	Statu ON OFF	Image no	ow frozen ow not frozen							ID					
Description	This command is used to inquire about the current NoShow status.  (1) This inquiry can be made at any time provided that the <b>power-on</b> status is established.  However, a "busy" response is given while the zoom or focus lens is being driven.  ( Refer to the ZCONTDRV command and FCONTDRV command. )  (2) Freeze status ON/OFF is controlled using the "RC FREEZE" command in the local mode. (Toggling)														
Example	< g:FREEZ	( Refer to the ZCONTDRV command and FCONTDRV command. )													
Commands supported	×	SX6 01. 01** O and is not supp	SX60 01. 01** O ported, "e:000/	X600 01. 01** O A INVALID_PA	RAMETER" is	returned.									

Oupport	.ou c			Ottatoo											
Model	Pow	er sı	abbla					Input					Мо	de	Remarks
	OFF	ON	РМ	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	Remarks
SX50	_	-	_	_	_	_	_	_	_	_	_	-	_	_	
SX6	×	0	×	0	0	0	0	0	0	0	0	0	0	0	
SX60															
X600															

<sup>\*</sup> If the command cannot be supported, "NOT\_POWER\_SUPPLIED" is returned as an error response.

\*When the power supply state is in the process of switching, an "i:BUSY" reply may be sent.

Commands	GET S	SIGNAL	STAT	US		N	lode	Control	Setting	Reference					
Function	Signal statu	is inquiry													
Format		SIGNALSTA NALSTATU													
Response	g:SIGN	IALSTATUS	= <signal s<="" th=""><th>tatus:ID&gt;</th><th></th><th></th><th></th><th></th><th></th><th></th></signal>	tatus:ID>											
		gnal status			Meaning										
	DIS	=		displayed o	r display ena splay prepar		gress	3		ID					
	For all othe														
	-1 This ind A "busy (Refer For the -2 This ref -3 Even if Check t -4 Similarl Check t To clea	This inquires about the current image signal input status.  -1 This inquiry can be made at any time provided that the power-on status is established. A "busy" response is given while the zoom or focus lens is being driven. (Refer to the ZCONTDRV command and FCONTDRV command.) For the "SX50," the remote mode must be established2 This returns the signal status of the selected input. Use INPUT command for the input selection3 Even if the status is "DISPLAYING" (image now shown), the image is not displayed during blanking Check the status using GET BLANK. To clear the blank status, use BLANK=OFF4 Similarly, the image is not displayed during "no show". Check the status using GET NOSHOWSTATUS. To clear no show, execute RC NOSHOW.													
Example	< g:SIGN	GNALSTAT ALSTATUS: are indicated	=NO_SIGNA	AL.	S indicated by "	<b>'&lt;"</b> .									
Commands	0,100	SX6	SX60	X600											
supported	01.00**	01.01**	01.01**	01.01** O											
					l	1	1		ı						

Ouppoi	icu ·	COII	IIIIai	iu otate	3										
Model	F	Powe	er					Input					Mo	de	Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	SCART	None	Remote	Local	Remarks		
SX50	×	0	×	0	0	0	0	0	0	-	_	0	0	×	
SX6	×	0	×	0	0	0	0	0	0	0	0	0	0	0	
SX60															
X600															

<sup>\*</sup> If a command cannot be supported, 'INVALID\_MODE' or 'NOT\_POWER\_SUPPLIED' is returned as an error response.
\* "i:BUSY" may be returned if the power status is being switched.

Commands	GET	LAMPC	OUNT	ER		M	ode	Control	Setting	Reference					
Function	Lamp ON	time inquiry													
Format		ILAMPCOUN AMPCOUNTE													
Response	g:LAI	MPCOUNTER	=" <lamp o<="" th=""><th>N time: Ch</th><th>aracter s</th><th>string&gt;"</th><th></th><th></th><th></th><th></th></lamp>	N time: Ch	aracter s	string>"									
		ama ON tima		Me	eaning (O	N time: H)									
	L	amp ON time	SX50	S>	(50	SX50		SX50							
		"[G]"	0 ~	199 0	~ 279	0 ~ 459	9	0 ~	279						
		"[GG]"	200 ~	399 280	~ 559	460 ~ 919	9	280 ~	559						
		"[GGG]"	400 ~			920 ~ 1379		560 ~		Character					
		"[GGGG]" 600 ~ 799 840 ~ 1119 1380 ~ 1839 840 ~ 1119 "[GGGGG]" 800 ~ 999 1120 ~ 1399 1840 ~ 2299 1120 ~ 1399 "[GGGGGY_]" 1000 ~ 1199 1400 ~ 1449 2300 ~ 2399 1400 ~ 1449 "[GGGGGYY_]" 1200 ~ 1399 1450 ~ 1499 2400 ~ 2499 1450 ~ 1499 "[GGGGGYYR]" 1400 ~ 1500 ~ 2500 ~ 1500 ~													
	H														
	H														
	For all oth	"[GGGGGYYR]" 1400 ~ 1500 ~ 2500 ~ 1500 ~  r all other responses, refer to "Error List."													
Description	This inqui	ires about the	current lamp	ON time.											
		. ,		, ,		that AC power				jector.					
		,	. ,			mode and pov	ver-c	on status	S.						
Example		LAMPCOUNT			R										
	< g:LAN	MPCOUNTER:	="[GG	_]"											
0		ds are indicated			indicated	by "<".									
Commands supported	SX50	SX6	SX60	X600											
supported	01.00** O	01.01** O	01.01** O	01.01** O											
	0	1 0	U	<u> </u>	l .		1								

Model	F	owe	r					Input					Мо	de	Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	INCIliains
SX50	×	0	×	0	0	0	0	0	0	-	-	0	0	×	
SX6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
SX60															
X600															

<sup>\*</sup> If a command cannot be supported, 'INVALID\_MODE' or 'NOT\_POWER\_SUPPLIED' is returned as an error response.

\* "i:BUSY" may be returned if the power status is being switched.

9. Details of command GET ERR User Command Specifications

Commands	GET E	RR					Mo	ode Cor	ntrol Settine	Reference				
Function	Error inform	nation inquiry	/											
Format	GET□	ERR												
	?∆ERI													
_										1				
Response	g:ERR:	= <errorid:id< th=""><th><b>)&gt;</b></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th></errorid:id<>	<b>)&gt;</b>											
		Error I	ID	Meani	ng	Error SX50	s suppo	rted by i	X600					
	NO.	ERROR		No error		0	0	0	0					
	ABN	NORMAL_TEN	MPERATUR .	Temperature	error	0	0	0	0					
	FAL	JLTY_LAMP		Lamp error		0	0	0	0					
		JLTY_LAMP_0		Lamp cover e		0	0	0	0					
	l	JLTY_COOLIN	<del>-</del>	Cooling fan e		0	0	0	0	ID				
		JLTY_POWER	R_SUPPLY	Power supply	error	0	0	0	0	טו				
	l	FAULTY_AK         AK error         -         O         O           FAULTY_ASC         ASC error         -         O         O												
	FAULTY_ASC         ASC error         -         O         O           FAULTY_AF         AF error         -         O         O													
	FAULTY_AF         AF error         -         O         O													
	FAULTY_POWER_ZOOM Zoom error – O O O													
	FAULTY_POWER_FOCUS Focus error - O O O  For all other responses, refer to "Error List."													
Description	This inquire	es about the	current erro	r information										
	For the -2 Informa	quiry can be "SX50," the ation when th RROR" is ret	remote mo le warning L	<b>de</b> must be of ED of the pr	establish ojector i	ned. s flashir	ng can b		•	ojector.				
Example	< g:ERR=	RR or ? ERR =FAULTY_LA are indicated	AMP	esponses are	indicated	by "<".								
Commands		SX6	SX60	X600										
supported	01.00**	01.01**	01.01**	01.01**										
	0	0	0	0										

Model	F	owe	r					Input					Mo	de	Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	INCIIIAINS
SX50	0	0	0	0	0	0	0	0	0	-	_	0	0	×	
SX6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
SX60															
X600															

<sup>\*</sup> If a command cannot be supported, 'INVALID\_MODE' is returned as an error response.
\* "i:BUSY" may be returned if the power status is being switched.

Commands	GET P	RODC	ODE				Mode	Control	Setting	Reference					
Function	Product info	ormation inqu	uiry												
Format	~ - · - ·	PRODCODE ODCODE	Ī												
Response	Pro	DCODE=" <f name="" oduct="" sx50="" sx6="" sx60="" th="" tresponses,<="" x600=""><th></th><th></th><th>ter string&gt;</th><th>•</th><th></th><th></th><th></th><th>Character string</th></f>			ter string>	•				Character string					
Description	-1 This inc	This inquires about the product name of the projector.  -1 This inquiry can be executed in any status provided that AC power is supplied to the projector.  For the "SX50," the projector must be in the <b>remote mode</b> and <b>power-on</b> status.													
Example	< g:PROI	RODCODE ( DCODE="SX  are indicated	(50"		indicated by	"<".									
Commands supported	0,100	SX6 01.01**	SX60 01.01**	X600 01.01**											
Supported	O1.00**	O1.01***	01.01	01.01**			+								
		· · · · · ·		<u> </u>		1	1	l							

Ouppo		<del></del>		ia Otato											
Model	F	owe	er					Input					Mo	de	Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	Remarks
SX50	×	0	×	0	0	0	0	0	0	-	_	0	0	×	
SX6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
SX60															
X600															

<sup>\*</sup> If a command cannot be supported, 'INVALID\_MODE' or 'NOT\_POWER\_SUPPLIED' is returned as an error response.

\* "i:BUSY" may be returned if the power status is being switched.

9. Details of command GET ROMVER User Command Specifications

Commands	GET R	ROMVE	R			N	<del>1ode</del>	Control	Setting	Reference					
Function	ROM version	n inquiry													
Format	GET⊡F ?∆ROI	ROMVER MVER													
Response	g:ROM	VER=" <roi< th=""><th>M VERSION</th><th>l : Character</th><th>string&gt;"</th><th></th><th></th><th></th><th></th><th></th></roi<>	M VERSION	l : Character	string>"										
	<r0< th=""><th>OM VERSIO</th><th>N&gt; := 99.99</th><th>199</th><th></th><th></th><th></th><th></th><th></th><th>Character string</th></r0<>	OM VERSIO	N> := 99.99	199						Character string					
	For all other	or all other responses, refer to "Error List."													
Description	This inquires about the product name of the projector.  -1 This inquiry can be executed in any status provided that AC power is supplied to the projector.  For the "SX50," the projector must be in the <b>remote mode</b> and <b>power-on</b> status.														
Example	< g:ROM	> GET ROMVER or ? ROMVER  < g:ROMVER="01.0306"  Commands are indicated by ">", and responses are indicated by "<".													
Commands	SX50	SX6	SX60	X600	,										
supported	000	01.01**	01.01**	01.01**											
	0	0	0	0					J						

Model	F	owe	r					Input					Мо	de	Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	Remarks
SX50	×	0	×	0	0	0	0	0	0	-	_	0	0	×	
SX6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
SX60															
X600															

<sup>\*</sup> If a command cannot be supported, 'INVALID\_MODE' or 'NOT\_POWER\_SUPPLIED' is returned as an error response.
\* "i:BUSY" may be returned if the power status is being switched.

9. Details of command GET COMVER User Command Specifications

Commands	GET C	OMVE	R			1	Mode	Control	Setting	Reference					
Function	User comm	and version	inquiry												
Format	GET⊡0 ?∆COI	COMVER MVER													
Response	g:COM	VER=" <use< th=""><th>er command</th><th>d version:C</th><th>haracter s</th><th>tring&gt;"</th><th></th><th></th><th></th><th></th></use<>	er command	d version:C	haracter s	tring>"									
	<us< th=""><th>ser comman</th><th>d version&gt; :</th><th>= 99.9999</th><th></th><th></th><th></th><th></th><th></th><th>Character string</th></us<>	ser comman	d version> :	= 99.9999						Character string					
	For all other	other responses, refer to "Error List."													
Description	This inquire	is inquires about the user command version of the projector.													
	For the -2 The use marks n	<ul> <li>-1 This inquiry can be executed in any status provided that AC power is supplied to the projector. For the "SX50," the remote mode must be established.</li> <li>-2 The user command version consists of a 2-digit number followed by a 4-digit number. Question marks may appear in place of the numerals if the firmware has not been upgraded correctly. (Example "??:????")</li> </ul>													
Example		OMVER or ?													
	< g:COMVER="01.0000"														
C		Commands are indicated by ">", and responses are indicated by "<".													
Commands supported		SX6 01.01**	SX60 01.01**	X600 01.01**											
	0	0	0	0											
						•	•		4						

	ouppo.		O O		ia Otato											
	Model	F	owe	r					Input					Мо	de	Remarks
		OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	Remarks
	SX50	0	0	0	0	0	0	0	0	0	-	_	0	0	×	
П	SX6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	SX60															
	X600															

<sup>\*</sup> If a command cannot be supported, 'INVALID\_MODE' is returned as an error response.
\* "i:BUSY" may be returned if the power status is being switched.

User Command Specifications 9. Details of command RANGE

Commands	RANGE		Me	ode Control	Setting Refere	ence
Function	Setting range request					
Format	RANGE□ <paramet< th=""><th>er&gt;</th><th></th><th></th><th></th><th></th></paramet<>	er>				
Parameter						
	Parameter		Meaning			
	POWER	Powers	supply state			
	BLANK	Blank s	etting			
	AUTOSETEXE	Auto se	•			
	INPUT	Input st				
	DOTS		Total number of dot			
	TRACK HPOS	Input	Tracking Horizontal position			
	VPOS	signal	Vertical position			
	HPIX	settings	Horizontal resolutio			
	VPIX		Vertical resolution			
	SEL	Input si				
	ASPECT	Screem	•			
	IMAGE	Image s				
	BRI		ess setting value			
	CONT		st setting value			
	SHARP		ess setting value			
	GAMMA		a correction			
	DGAMMA		ic gamma			
	PROG WB	Progres	color correction			
	WBRGB		color correction value (RGB)			
	SAT		aturation setting value			
	HUE		tting value			
	RGBGAIN		ain adjustment	-		
	RGBOFFSET		fset adjustment			
	ACADJUST	Advanc	ed color correction method			
	MEMCADJ		y color correction			
	6AXADJ	6-axis a	adjustment ON/OFF		ID	)
	6AXR		R setting value			
	6AXG	6-axis	G setting value			
	6AXB 6AXC	color	B setting value C setting value			
	6AXM	adjust	M setting value			
	6AXY		Y setting value			
	VKS	Vertical	keystone distortion values			
	HKS		ntal keystone distortion values			
	AVOL	Volume	adjustment			
	MUTE	Mute st	ate			
	BVOL		ound setting status			
	IMAGEFLIP		play status			
	PMM	_	management			
	PJON NOSIG		screen at startup setting screen when there are no signals se	tting		
	NOSHOW		screen when nothing shown	turig		
	LOGOPOS		nage position			
	LANG	Langua	<u> </u>			
	LAMP	Lamp o				
	TERMINAL		al setting			
	KEYLOCK	Key loc	•			
	RCCH		e control Ch			
	GUIDE		lisplay setting			
	DPON		ower-on setting			
	LEDILLUMINATE	_	splay setting			
	ZSTEPDRV	_	tep control			
	ZCONTDRV		continuous control			
	FSTEPDRV FCONTDRV		step control continuous control	_		
	1 OOM DICE	li ocus (	Some national control			

**User Command Specifications** 9. Details of command RANGE

#### **Response** Responses are made in the formats below for each parameter.

<Parameter name>=<Type>, <Setting range>

Туре	Meaning
I	ID
N	Number

The definition of <Setting range> varies depending on the type.

#### 1. When the type is I (ID)

<Setting range>: = <Setting option 1>, <Setting option 2>, <Setting option 3>, <Setting option 4>, ..., <Setting option N>

## 2. When the type is N (Number)

<Setting range>: = <Setting option 1 minimum value>, <Setting option 1 maximum value>, <Setting option 2 minimum value>, <Setting option 2 maximum value>, ..., <Setting option N minimum value>, <Setting option N maximum value>

**Description** This retrieves the setting range of each parameter.

- -1 The setting ranges of the setting or control command parameters may differ depending on the projector status (input, display mode, etc.).
- -2 To ensure reliability, request the setting ranges before sending the setting or control commands.
  - (Once the setting ranges have been obtained, the setting or control commands can be
- -3 For further details, refer to the descriptions of the commands.

Commands	RANG	E POV	VER				Mode	Control	Setting	Reference				
Function	Power contr	ol setting o	otion reques	t		_								
Format	RANGE	□POWER												
Response	r:POWE	R=I, <setti< th=""><th>ng option 1</th><th>&gt;, <setting< th=""><th>option 2&gt;,</th><th>,, <sett< th=""><th>ing op</th><th>tion n&gt;</th><th></th><th></th></sett<></th></setting<></th></setti<>	ng option 1	>, <setting< th=""><th>option 2&gt;,</th><th>,, <sett< th=""><th>ing op</th><th>tion n&gt;</th><th></th><th></th></sett<></th></setting<>	option 2>,	,, <sett< th=""><th>ing op</th><th>tion n&gt;</th><th></th><th></th></sett<>	ing op	tion n>						
	For all other	responses	refer to "Er	ror List."						ID				
Description	This inquires	is inquires about the power control setting options.												
	-1 This inquiry can be executed in any status provided that AC power is supplied to the projector.  A "busy" response is given while the zoom or focus lens is being driven. (Refer to the ZCONTDRV command and FCONTDRV command.) With the SX50, the inquiry can be made in the remote mode only2 The power can be controlled by the POWER command.													
Example														
	< r:POWE	R=I, ON, O	FF											
	* Commands are indicated by ">", and responses are indicated by "<".													
Commands	SX50	SX6	SX60	X600										
supported		01.01**	01.01**	01.01**										
	0	0	0	0										

Model	F	owe	r					Input					Мо	de	Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	INCIIIAINS
SX50	0	0	0	0	0	0	0	0	0	-	_	0	0	×	
SX6	0	0	0	0	0	0	0	0	0	0	0	0	0	×	
SX60															
X600															

<sup>\*</sup> If a command cannot be supported, 'INVALID\_MODE' is returned as an error response.

User Command Specifications 9. Details of command RANGE BLANK

Commands	RANGE	BLAN	K				Mode	Control	Setting	Reference				
Function	BLANK setti	ing option red	quest											
Format	RANGE	□BLANK												
Response	r:BLANK	(=I, <setting< th=""><th>option 1&gt;, <s< th=""><th>Setting option</th><th>2&gt;, ···, <set< th=""><th>tting option n</th><th>&gt;</th><th></th><th></th><th></th></set<></th></s<></th></setting<>	option 1>, <s< th=""><th>Setting option</th><th>2&gt;, ···, <set< th=""><th>tting option n</th><th>&gt;</th><th></th><th></th><th></th></set<></th></s<>	Setting option	2>, ···, <set< th=""><th>tting option n</th><th>&gt;</th><th></th><th></th><th></th></set<>	tting option n	>							
	For all other	responses, r	efer to "Err	or List."						ID				
Description	(1) This inq the sam Howeve	This command is used to inquire about the parameter options which enable BLANK to be set.  (1) This inquiry can be made when the projector is in both the <b>remote mode</b> and <b>power-on</b> status at the same time.  However, a "busy" response is given while the zoom or focus lens is being driven.  ( Refer to the ZCONTDRV command and FCONTDRV command. )  (2) The BLANK can be controlled using the BLANK command.												
Example	< r:BLANk	> RANGE BLANK < r.BLANK=I, ON, OFF  Commands are indicated by ">", and responses are indicated by "<".												
Commands	SX50	SX6	SX60	X600										
supported	01. 00** ×	01. 01** O	01. 01** O	01. 01** O										
		and is not supp			RAMETER" is	returned.								

Model	Pow	er sı	pply					Input					Мо	de	Remarks
	OFF	ON	РМ	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	Remarks
SX50	_	_	_	_	_	_	_	_	_	-	-	-	_	ı	
SX6	×	0	×	0	0	0	0	0	0	0	0	0	0	×	
SX60															
X600															

<sup>\*</sup>If a state is not supported, "INVALID\_MODE" or "NOT\_POWER\_SUPPLIED" is returned with the Err response.

 $<sup>\</sup>pmb{*} \textbf{When the power supply state is in the process of switching, an "i:BUSY" reply may be sent.}$ 

Commands	RANG	AUTO	SETE	(E			Mode	Control	Setting	Reference				
Function	Auto setup s	setting option	request											
Format	RANGE	□AUTOSETI	EXE											
Response	r:AUTO:	SETEXE=I, <	Setting option	n 1>, <settina< th=""><th>g option 2&gt;, ·</th><th>··, <setting o<="" th=""><th>ption n&gt;</th><th></th><th></th><th></th></setting></th></settina<>	g option 2>, ·	··, <setting o<="" th=""><th>ption n&gt;</th><th></th><th></th><th></th></setting>	ption n>							
	For all other	responses, r	efer to "Err	or List."						ID				
Description	(1) This inq the sam Howeve ( Ref	This command is used to inquire about the parameter options which enable auto setup to be set.  (1) This inquiry can be made when the projector is in both the <b>remote mode</b> and <b>power—on</b> status at the same time.  However, a "busy" response is given while the zoom or focus lens is being driven.  ( Refer to the ZCONTDRV command and FCONTDRV command. )  (2) Auto setup can be controlled using the AUTOSETEXE command.												
Example	< r:AUTO	> RANGE AUTOSETEXE < r:AUTOSETEXE=I, FOCUS, VKS, SCRN, INPUT *Commands are indicated by ">", and responses are indicated by "<".												
Commands supported			SX60 01. 01**											
	X When a comm	O and is not sup	O ported, "e:000,	O A INVALID_PA	RAMETER" is	returned.								

Model	Pow	er sı	pply					Input					Мо	de	Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	Remarks
SX50	_	_	_	_	_	_	_	_	_	-	-	-	_	_	
SX6	×	0	×	0	0	0	0	0	0	0	0	0	0	×	
SX60															
X600															

<sup>\*</sup>If a state is not supported, "INVALID\_MODE" or "NOT\_POWER\_SUPPLIED" is returned with the Err response.

 $<sup>\</sup>pmb{*} \textbf{When the power supply state is in the process of switching, an "i:BUSY" reply may be sent.}$ 

9. Details of command RANGE INPUT

RANG	E INP	JT			M	lode	Control	Setting	Reference				
Input select	ion setting o	ption reques	st										
RANGE	□INPUT												
r:INPU1	Γ=I, <setting< th=""><th>g option 1&gt;</th><th>, <setting o<="" th=""><th>ption 2&gt;,</th><th>., <setting< th=""><th>optio</th><th>on n&gt;</th><th></th><th></th></setting<></th></setting></th></setting<>	g option 1>	, <setting o<="" th=""><th>ption 2&gt;,</th><th>., <setting< th=""><th>optio</th><th>on n&gt;</th><th></th><th></th></setting<></th></setting>	ption 2>,	., <setting< th=""><th>optio</th><th>on n&gt;</th><th></th><th></th></setting<>	optio	on n>						
For all other	r responses,	refer to "Er	ror List."						ID				
This inquire	s about the	parameter o	ptions which	n enable inp	ut selection	to be	e set.						
-1 This inq													
	A "busy" response is given while the zoom or focus lens is being driven.												
•	(Refer to the ZCONTDRV command and FCONTDRV command.)												
		Δ-RGR1 Δ.	RGB2 CO	AP VIDEO	S-VIDEO								
\ 1.11VI O1	CI.INPUT=I, D-NGB, A-NGBI, A-NGBZ, COMIF, VIDEO, S-VIDEO												
* Commands are indicated by ">", and responses are indicated by "<".													
SX50	SX6	SX60	X600										
						-							
0	0	0	0		<u> </u>								
	RANGE r:INPUT For all other This inquire -1 This inquire -1 This inquire With the -2 The inp - RANGE < r:INPUT	RANGE□INPUT  r:INPUT=I, <setting "busy"="" (refer="" -1="" -2="" a="" about="" all="" be="" can="" for="" i="" input="" inquires="" inquiry="" other="" response="" responses,="" selection="" sx50,="" the="" this="" to="" with="" zcon=""> RANGE INPUT  &lt; r:INPUT=I, D-RGB,  * Commands are indicated  SX50     01.00**    SX6     01.01**</setting>	RANGE□INPUT  r:INPUT=I, <setting 1="" option="">  For all other responses, refer to "Er  This inquires about the parameter of the angle of the A "busy" response is given while (Refer to the ZCONTDRV commodity of the SX50, the inquiry can be contous and the contous RANGE INPUT &lt; r:INPUT=I, D-RGB, A-RGB1, A-  *Commands are indicated by "&gt;", and re SX50 SX6 SX60 O1.01** O1.01**</setting>	RANGE□INPUT  r:INPUT=I, <setting 1="" option="">, <setting "error="" about="" be="" can="" exc<="" excontage="" in="" inquires="" inquiry="" list."="" made="" of="" options="" parameter="" power-on="" refer="" responses,="" some="" substitution="" th="" the="" this="" to="" which=""><th>RANGE□INPUT  r:INPUT=I, <setting 1="" option="">, <setting 2="" option="">,  For all other responses, refer to "Error List."  This inquires about the parameter options which enable inp -1 This inquiry can be made in the power-on status. A "busy" response is given while the zoom or focus len: (Refer to the ZCONTDRV command and FCONTDRV own and the remote of the input selection can be controlled by the INPUT control of the input selection c</setting></setting></th><th>RANGE□INPUT  r:INPUT=I, <setting 1="" option="">, <setting 2="" option="">,, <setting "busy"="" "error="" (refer="" -1="" -2="" a="" about="" all="" and="" be="" being="" by="" can="" command="" command.="" command.)="" controlled="" d="" enable="" fcontdrv="" focus="" for="" given="" in="" input="" inquires="" inquiry="" is="" lens="" list."="" made="" mode="" only.="" options="" or="" other="" parameter="" power-on="" refer="" remote="" response="" responses,="" selection="" status.="" sx50,="" the="" this="" to="" which="" while="" with="" zcontdrv="" zoom=""> RANGE INPUT  &lt; r:INPUT=I, D-RGB, A-RGB1, A-RGB2, COMP, VIDEO, S-VIDEO  *Commands are indicated by "&gt;", and responses are indicated by "&lt;".  SX50 SX6 SX60 X600  01.01** 01.01** 01.01**</setting></setting></setting></th><th>RANGE□INPUT  r:INPUT=I, <setting 1="" option="">, <setting 2="" option="">,, <setting "busy"="" "error="" (refer="" -1="" -2="" a="" about="" all="" and="" be="" being="" by="" can="" command="" command.="" command.)="" controlled="" driven.="" enable="" fcontdrv="" focus="" for="" given="" in="" input="" inquires="" inquiry="" is="" lens="" list."="" made="" mode="" only.="" option="" options="" or="" other="" parameter="" power-on="" refer="" remote="" response="" responses,="" selection="" status.="" sx50,="" the="" this="" to="" which="" while="" with="" zcontdrv="" zoom=""> RANGE INPUT  &lt; r:INPUT=I, D-RGB, A-RGB1, A-RGB2, COMP, VIDEO, S-VIDEO  *Commands are indicated by "&gt;", and responses are indicated by "&lt;".  SX50 SX6 SX60 X600 01.00** 01.01** 01.01** 01.01**</setting></setting></setting></th><th>RANGE□INPUT  r:INPUT=I, <setting 1="" option="">, <setting 2="" option="">,, <setting n="" option="">  For all other responses, refer to "Error List."  This inquires about the parameter options which enable input selection to be set.  -1 This inquiry can be made in the power-on status.  A "busy" response is given while the zoom or focus lens is being driven.  (Refer to the ZCONTDRV command and FCONTDRV command.)  With the SX50, the inquiry can be made in the remote mode only.  -2 The input selection can be controlled by the INPUT command.  &gt; RANGE INPUT  &lt; r:INPUT=I, D-RGB, A-RGB1, A-RGB2, COMP, VIDEO, S-VIDEO  *Commands are indicated by "&gt;", and responses are indicated by "&lt;".  SX50 SX6 SX60 X600 01.00** 01.01** 01.01** 01.01**</setting></setting></setting></th><th>RANGE□INPUT  r:INPUT=I, <setting 1="" option="">, <setting 2="" option="">,, <setting n="" option="">  For all other responses, refer to "Error List."  This inquires about the parameter options which enable input selection to be set.  -1 This inquiry can be made in the power-on status.  A "busy" response is given while the zoom or focus lens is being driven.  (Refer to the ZCONTDRV command and FCONTDRV command.)  With the SX50, the inquiry can be made in the remote mode only.  -2 The input selection can be controlled by the INPUT command.  &gt; RANGE INPUT  &lt; r:INPUT=I, D-RGB, A-RGB1, A-RGB2, COMP, VIDEO, S-VIDEO  *Commands are indicated by "&gt;", and responses are indicated by "&lt;".  SX50 SX6 SX60 X600  01.01** 01.01** 01.01**</setting></setting></setting></th></setting></setting>	RANGE□INPUT  r:INPUT=I, <setting 1="" option="">, <setting 2="" option="">,  For all other responses, refer to "Error List."  This inquires about the parameter options which enable inp -1 This inquiry can be made in the power-on status. A "busy" response is given while the zoom or focus len: (Refer to the ZCONTDRV command and FCONTDRV own and the remote of the input selection can be controlled by the INPUT control of the input selection c</setting></setting>	RANGE□INPUT  r:INPUT=I, <setting 1="" option="">, <setting 2="" option="">,, <setting "busy"="" "error="" (refer="" -1="" -2="" a="" about="" all="" and="" be="" being="" by="" can="" command="" command.="" command.)="" controlled="" d="" enable="" fcontdrv="" focus="" for="" given="" in="" input="" inquires="" inquiry="" is="" lens="" list."="" made="" mode="" only.="" options="" or="" other="" parameter="" power-on="" refer="" remote="" response="" responses,="" selection="" status.="" sx50,="" the="" this="" to="" which="" while="" with="" zcontdrv="" zoom=""> RANGE INPUT  &lt; r:INPUT=I, D-RGB, A-RGB1, A-RGB2, COMP, VIDEO, S-VIDEO  *Commands are indicated by "&gt;", and responses are indicated by "&lt;".  SX50 SX6 SX60 X600  01.01** 01.01** 01.01**</setting></setting></setting>	RANGE□INPUT  r:INPUT=I, <setting 1="" option="">, <setting 2="" option="">,, <setting "busy"="" "error="" (refer="" -1="" -2="" a="" about="" all="" and="" be="" being="" by="" can="" command="" command.="" command.)="" controlled="" driven.="" enable="" fcontdrv="" focus="" for="" given="" in="" input="" inquires="" inquiry="" is="" lens="" list."="" made="" mode="" only.="" option="" options="" or="" other="" parameter="" power-on="" refer="" remote="" response="" responses,="" selection="" status.="" sx50,="" the="" this="" to="" which="" while="" with="" zcontdrv="" zoom=""> RANGE INPUT  &lt; r:INPUT=I, D-RGB, A-RGB1, A-RGB2, COMP, VIDEO, S-VIDEO  *Commands are indicated by "&gt;", and responses are indicated by "&lt;".  SX50 SX6 SX60 X600 01.00** 01.01** 01.01** 01.01**</setting></setting></setting>	RANGE□INPUT  r:INPUT=I, <setting 1="" option="">, <setting 2="" option="">,, <setting n="" option="">  For all other responses, refer to "Error List."  This inquires about the parameter options which enable input selection to be set.  -1 This inquiry can be made in the power-on status.  A "busy" response is given while the zoom or focus lens is being driven.  (Refer to the ZCONTDRV command and FCONTDRV command.)  With the SX50, the inquiry can be made in the remote mode only.  -2 The input selection can be controlled by the INPUT command.  &gt; RANGE INPUT  &lt; r:INPUT=I, D-RGB, A-RGB1, A-RGB2, COMP, VIDEO, S-VIDEO  *Commands are indicated by "&gt;", and responses are indicated by "&lt;".  SX50 SX6 SX60 X600 01.00** 01.01** 01.01** 01.01**</setting></setting></setting>	RANGE□INPUT  r:INPUT=I, <setting 1="" option="">, <setting 2="" option="">,, <setting n="" option="">  For all other responses, refer to "Error List."  This inquires about the parameter options which enable input selection to be set.  -1 This inquiry can be made in the power-on status.  A "busy" response is given while the zoom or focus lens is being driven.  (Refer to the ZCONTDRV command and FCONTDRV command.)  With the SX50, the inquiry can be made in the remote mode only.  -2 The input selection can be controlled by the INPUT command.  &gt; RANGE INPUT  &lt; r:INPUT=I, D-RGB, A-RGB1, A-RGB2, COMP, VIDEO, S-VIDEO  *Commands are indicated by "&gt;", and responses are indicated by "&lt;".  SX50 SX6 SX60 X600  01.01** 01.01** 01.01**</setting></setting></setting>				

# Supported Command States

User Command Specifications

Model	F	owe	r					Input					Мо	de	Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	INCIIIAINS
SX50	×	0	×	0	0	0	0	0	0	_	_	0	0	×	
SX6	×	0	×	0	0	0	0	0	0	0	0	0	0	×	
SX60															
X600															

<sup>\*</sup> If a command cannot be supported, 'INVALID\_MODE' or 'NOT\_POWER\_SUPPLIED' is returned as an error response.
\* "i:BUSY" may be returned if the power status is being switched.

9. Details of command RANGE DOTS User Command Specifications

Commands	RANG	E DOI	S			4	<del>Mode</del>	Control	Setting	Reference			
Function	Total dot nu	ımber settin	g range inqu	iiry									
Format	RANGE	DOTS											
Response	r:DOTS	=N, <minim< th=""><th>um setting</th><th>value&gt;, <n< th=""><th>laximum se</th><th>etting valu</th><th>e&gt;</th><th></th><th></th><th></th></n<></th></minim<>	um setting	value>, <n< th=""><th>laximum se</th><th>etting valu</th><th>e&gt;</th><th></th><th></th><th></th></n<>	laximum se	etting valu	e>						
	For all othe	r responses	refer to "Er	ror List."						Number			
Description	This inquire	s about the	range within	which the t	otal number	r of dots ca	n be s	set.					
	at the s A "busy (Refer t With so -2 The tota	quiry can be ame time. " response i o the ZCON me input sig al number of	s given whil TDRV comr nals, it may	e the zoom nand and Fo not be poss	or focus len CONTDRV sible to make	s is being o command.) e this inqui	driven	•	ower-on	status			
Example	> RANGE	DOTE											
		=N, 0, 4096											
		are indicated			indicated by	"<". T			1				
Commands supported		SX6 01.01**	SX60 01.01**	X600 01.01**									
capported	01.00	0	0	0		†							
					L				1				

Опрро	iou .	0011	iiiiai	ia Otato	· ·										
Model	F	Powe	er		Input Mode										Remarks
	OFF	ON	PM	D-RGB	RGB A-RGB1 A-RGB2 Comp Video S-Video D-Video SCART None									Local	Kemarks
SX50	×	0	×	×	0	0	×	×	×	-	_	×	0	×	
SX6	×	0	×	×	0	0	×	×	×	×	×	×	0	×	
SX60															
X600															

<sup>\*</sup> If the command cannot be supported, 'INVALID\_MODE,' 'NOT\_POWER\_SUPPLIED' or 'INVALID\_SOURCE' is returned as an error response.

\* If the necessary signals are not input, 'INVALID\_SIGNAL (\*\*\*\*\*\*)' or 'NO\_SIGNAL' is returned.

\* "i:BUSY" may be returned if the power status is being switched.

Commands	RANG	E TRA	CK				Mode	Control	Setting	Reference			
Function	Tracking ad	ljustment rai	nge request										
Format	RANGE	□TRACK											
Response	r:TRAC	K=N, <mini< th=""><th>mum settin</th><th>g value&gt;, &lt;</th><th>Maximum</th><th>setting v</th><th>alue&gt;</th><th></th><th></th><th></th></mini<>	mum settin	g value>, <	Maximum	setting v	alue>						
	For all othe	r responses	, refer to "Er	ror List."						Number			
Description	-1 This inc at the s A "busy (Refer t With so	quiry can be ame time. " response in the ZCON me input sig	values to when is given while ITDRV comrugals, it may ment can be	the projector e the zoom mand and Fo not be poss	or is in both or focus le CONTDRV sible to mak	n the <b>remo</b> ns is being  command  ke this inq	<b>te mod</b> g driven d.)	•	ower-on	status			
Example	_	> RANGE TRACK < r:TRACK=N, 0, 31											
	* Commands	are indicated	by ">", and re	esponses are	indicated by	/ "<".							
Commands	SX50	SX6	SX60	X600									
supported	000	01.01**	01.01**	01.01**									
	0	0	0	0									

	_		_												
Model	F	Powe	r					Input					Mo	ode	Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	Remarks
SX50	×	0	×	×	0	0	×	×	×	-	_	×	0	×	
SX6	×	0	×	×	0	0	×	×	×	×	×	×	0	×	
SX60															
X600															

<sup>\*</sup> If the command cannot be supported, 'INVALID\_MODE,' 'NOT\_POWER\_SUPPLIED' or 'INVALID\_SOURCE' is returned as an error response.

<sup>\*</sup> If the necessary signals are not input, 'INVALID\_SIGNAL (\*\*\*\*\*)' or 'NO\_SIGNAL' is returned.

<sup>\* &</sup>quot;i:BUSY" may be returned if the power status is being switched.

Commands	RANG	E HPC	S/VPC	OS		M	ode Control	Setting	Reference
Function	Horizontal/\	ertical posit	ion adjustme	ent range re	quest				
Format		al position adj E□HPOS	ustment rang		tical position a	•	nge inquiry		
Response	r:VPOS	•	num setting	value>, <n< th=""><th>laximum se laximum se</th><th></th><th></th><th></th><th>Number</th></n<>	laximum se laximum se				Number
Description	-1 This inc at the s A "busy (Refer t With so -2 The hor	luiry can be ame time. " response i o the ZCON me input sig	made when s given whil TDRV comr inals, it may vertical posi	the projector e the zoom mand and Fo not be poss	or is in both to or focus lens CONTDRV of sible to make	the remote it is is being dr command.) e this inquiry	mode and po	ower-on	
Example	< r:VPOS	=N, 0, 820	by ">", and re	esponses are	indicated by "	" <b>&lt;</b> ".			
Commands supported	0,100	SX6 01.01**	SX60 01.01**	X600 01.01**					
	0	0	0	0					

Model	F	owe	r					Input					Мо	de	Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	Remarks
SX50	×	0	×	×	0	0	×	×	×	-	_	×	0	×	
SX6	×	0	×	×	0	0	×	×	×	×	×	×	0	×	
SX60															
X600															

<sup>\*</sup> If the command cannot be supported, 'INVALID\_MODE,' 'NOT\_POWER\_SUPPLIED' or 'INVALID\_SOURCE' is returned as an error response.

\* If the necessary signals are not input, 'INVALID\_SIGNAL (\*\*\*\*\*\*)' or 'NO\_SIGNAL' is returned.

\* "i:BUSY" may be returned if the power status is being switched.

Commands	RANG	E HPI	X/VPIX				Mode	Control	Setting	Reference					
Function	Horizontal/\	ertical resol	ution setting	ı range requ	est										
Format		al resolution s E□HPIX	etting range i		resolution set E□VPIX	tting range	inquiry								
Response		N, <minimu< th=""><th>•</th><th>•</th><th></th><th>•</th><th></th><th></th><th></th><th></th></minimu<>	•	•		•									
	r:VPIX=	:N, <minimu< th=""><th>ım setting v</th><th>value&gt;, <ma< th=""><th>ıximum set</th><th>ting valu</th><th>e&gt;</th><th></th><th></th><th>Number</th></ma<></th></minimu<>	ım setting v	value>, <ma< th=""><th>ıximum set</th><th>ting valu</th><th>e&gt;</th><th></th><th></th><th>Number</th></ma<>	ıximum set	ting valu	e>			Number					
	For all other	responses.	refer to "Fr	ror List "						Number					
	or all other	тооропооо,	10101 10 21	TOT LIOU											
Description	These inqui	hese inquire about the ranges within which the horizontal and vertical resolutions can be set.													
	at the s A "busy (Refer t With so -2 The hor respect	,	s given whil TDRV comr nals, it may	e the zoom mand and F0 not be poss	or focus len CONTDRV ( ible to make	s is being command e this inqu	driven l.) ıiry.			status					
Example															
	< r:VPIX=	N, 0, 1000													
	* Commands	are indicated	by ">" and re	esponses are	indicated by	"<"									
Commands		SX6	SX60	X600		1									
supported	01.00**	01.01**	01.01**	01.01**											
	0	0	0	0											

Model	F	owe	r					Input					Мо	de	Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	Remarks
SX50	×	0	×	0	0	0	×	×	×	-	_	×	0	×	
SX6	×	0	×	0	0	0	×	×	×	×	×	×	0	×	
SX60															
X600															

<sup>\*</sup> If the command cannot be supported, 'INVALID\_MODE,' 'NOT\_POWER\_SUPPLIED' or 'INVALID\_SOURCE' is returned as an error response.

\* If the necessary signals are not input, 'INVALID\_SIGNAL (\*\*\*\*\*\*)' or 'NO\_SIGNAL' is returned.

\* "i:BUSY" may be returned if the power status is being switched.

User Command Specifications 9. Details of command RANGE SEL

Commands	RANG	E SEL	•				Mode	Control	Setting	Reference
Function	Input signal	setting option	on request							
Format	RANGE	□SEL								
Response	r:SEL=	l, <setting of<="" th=""><th>option 1&gt;, &lt;</th><th>Setting opt</th><th>ion 2&gt;,,</th><th>, <setting< th=""><th>option</th><th>n&gt;</th><th></th><th></th></setting<></th></setting>	option 1>, <	Setting opt	ion 2>,,	, <setting< th=""><th>option</th><th>n&gt;</th><th></th><th></th></setting<>	option	n>		
	For all othe	r responses	, refer to "Er	ror List."						ID
Description	-1 This inc at the s A "busy (Refer t With so	uiry can be ame time. " response i o the ZCON me input sig	parameter of made when is given while ITDRV commer gnals, it may an be selecte	the projectors the zoom nand and Fornot be poss	or is in both or focus lei CONTDRV ible to mak	n the <b>remo</b> ns is being command ce this inq	o <b>te mod</b> g driven d.)	le and po	ower-on	status
Example	< r:SEL=I	, AUTO	by ">", and re	esponses are	indicated by	/ "<".				
Commands		SX6	SX60	X600	,					
supported	01.00**	01.01**	01.01**	01.01**						
	0	0	0	0					]	

Model	F	Powe	er					Input					Мо	de	Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	Remarks
SX50	×	0	×	×	×	×	0	0	0	-	-	×	0	×	
SX6	×	0	×	×	×	×	0	0	0	×	×	×	0	×	
SX60															
X600															

<sup>\*</sup> If the command cannot be supported, 'INVALID\_MODE,' 'NOT\_POWER\_SUPPLIED' or 'INVALID\_SOURCE' is returned as an error response.

<sup>\*</sup> If the necessary signals are not input, 'INVALID\_SIGNAL (\*\*\*\*\*)' or 'NO\_SIGNAL' is returned.

<sup>\* &</sup>quot;i:BUSY" may be returned if the power status is being switched.

Commands	RANG	E ASP	ECT			Me	<del>ode</del>	Control	Setting	Reference				
Function	Screen sett	ing option re	equest											
Format	RANGE	□ASPECT												
Response	r:ASPE	CT=I, <sett< th=""><th>ing option</th><th>1&gt;, <setting< th=""><th>option 2&gt;,</th><th>,, <settin< th=""><th>g op</th><th>tion n&gt;</th><th></th><th></th></settin<></th></setting<></th></sett<>	ing option	1>, <setting< th=""><th>option 2&gt;,</th><th>,, <settin< th=""><th>g op</th><th>tion n&gt;</th><th></th><th></th></settin<></th></setting<>	option 2>,	,, <settin< th=""><th>g op</th><th>tion n&gt;</th><th></th><th></th></settin<>	g op	tion n>						
	For all othe	r responses	, refer to "Er	ror List."						ID				
Description	-1 This inc at the s A "busy (Refer t With so	This inquires about the parameter options which enable the screen to be set.  -1 This inquiry can be made when the projector is in both the remote mode and power-on status at the same time.  A "busy" response is given while the zoom or focus lens is being driven. (Refer to the ZCONTDRV command and FCONTDRV command.) With some input signals, it may not be possible to make this inquiry2 The screen settings can be selected by the ASPECT command.												
Example	> RANGE ASPECT < r:ASPECT=I, AUTO, NORMAL, WIDE  * Commands are indicated by ">", and responses are indicated by "<".													
Commands		SX6	SX60	X600	a.ca.ca by	<u> </u>								
supported	01.00**	01.01**	01.01**	01.01**										
	0	0	0	0										

Model		Powe	ır					Input					Mo	do	
Model															Remarks
	OFF	ON	РМ	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	
SX50	×	0	×	0	0	0	0	0	0	-	-	0	0	×	
SX6	×	0	×	0	0	0	0	0	0	0	0	0	0	×	
SX60															
X600															

<sup>\*</sup> If the command cannot be supported, 'INVALID\_MODE,' 'NOT\_POWER\_SUPPLIED' or 'INVALID\_SOURCE' is returned as an error response.

\* If the necessary signals are not input, 'INVALID\_SIGNAL (\*\*\*\*\*\*)' or 'NO\_SIGNAL' is returned.

<sup>\* &</sup>quot;i:BUSY" may be returned if the power status is being switched.

Commands	RANGE IMAGE Mode Control Setting	Reference											
Function	Image mode setting option request												
Format	RANGE□IMAGE												
Response	r:IMAGE=I, <setting 1="" option="">, <setting 2="" option="">,, <setting n="" option=""></setting></setting></setting>												
	For all other responses, refer to "Error List."	ID											
Description	This inquires about the parameter options which enable the image mode to be set.												
	-1 This inquiry can be made when the projector is in both the <b>remote mode</b> and <b>power-on</b> status at the same time.  A "busy" response is given while the zoom or focus lens is being driven.  (Refer to the ZCONTDRV command and FCONTDRV command.)  -2 The image mode settings can be selected by the IMAGE command.												
Example													
	< r:IMAGE=I, STANDARD, PRESENTATION, CINEMA, SRGB												
	* Commands are indicated by ">", and responses are indicated by "<".												
Commands													
supported													
·	< r:IMAGE=I, STANDARD, PRESENTATION, CINEMA, SRGB *Commands are indicated by ">", and responses are indicated by "<".												

Model	F	owe	r					Input					Мо	de	Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	INCIIIAINS
SX50	×	0	×	0	0	0	0	0	0	-	_	0	0	×	
SX6	×	0	×	0	0	0	0	0	0	0	0	0	0	×	
SX60															
X600															

<sup>\*</sup> If a command cannot be supported, 'INVALID\_MODE' or 'NOT\_POWER\_SUPPLIED' is returned as an error response.
\* "i:BUSY" may be returned if the power status is being switched.

9. Details of command RANGE BRI User Command Specifications

Commands	RANG	E BRI				Mo	ode	Control	Setting	Reference				
Function	Brightness	setting rang	e request											
Format	RANGE	□BRI												
Response	r:BRI=N	N, <minimu< th=""><th>m setting va</th><th>alue&gt;, <max< th=""><th>timum setti</th><th>ng value&gt;</th><th></th><th></th><th></th><th></th></max<></th></minimu<>	m setting va	alue>, <max< th=""><th>timum setti</th><th>ng value&gt;</th><th></th><th></th><th></th><th></th></max<>	timum setti	ng value>								
	For all othe	r responses	, refer to "Er	ror List."						Number				
Description	This inquire	s about the	range of val	ues at which	n the brightn	ess can be	set.							
	at the s A "busy (Refer t -2 The brig	<ul> <li>-1 This inquiry can be made when the projector is in both the remote mode and power-on status at the same time.</li> <li>A "busy" response is given while the zoom or focus lens is being driven.</li> <li>(Refer to the ZCONTDRV command and FCONTDRV command.)</li> <li>-2 The brightness can be set by the BRI command.</li> </ul>												
Example														
	< r:BRI=N	I, -20, 20												
	* Commands	are indicated	by ">", and re	esponses are	indicated by	"<".								
Commands	SX50	SX6	SX60	X600										
supported		01.01**	01.01**	01.01**										
	0	0	0	0										

Model	F	owe	r					Input					Мо	de	Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	INCIIIAINS
SX50	×	0	×	0	0	0	0	0	0	-	_	0	0	×	
SX6	×	0	×	0	0	0	0	0	0	0	0	0	0	×	
SX60															
X600															

<sup>\*</sup> If a command cannot be supported, 'INVALID\_MODE' or 'NOT\_POWER\_SUPPLIED' is returned as an error response.
\* "i:BUSY" may be returned if the power status is being switched.

9. Details of command RANGE CONT User Command Specifications

Commands	RANG	E CON	<b>IT</b>				Mode	Control	Setting	Reference			
Function	Contrast se	tting range r	equest										
Format	RANGE	CONT											
Response	r:CONT	=N, <minim< th=""><th>num setting</th><th>value&gt;, <n< th=""><th>laximum se</th><th>etting valu</th><th>ie&gt;</th><th></th><th></th><th></th></n<></th></minim<>	num setting	value>, <n< th=""><th>laximum se</th><th>etting valu</th><th>ie&gt;</th><th></th><th></th><th></th></n<>	laximum se	etting valu	ie>						
	For all other	r responses	refer to "Er	ror List."						Number			
Description	This inquire	s about the	range within	which the	contrast can	be set.							
	This inquires about the range within which the contrast can be set.  This inquiry can be made when the projector is in both the remote mode and power-on status at the same time.  A "busy" response is given while the zoom or focus lens is being driven.  (Refer to the ZCONTDRV command and FCONTDRV command.)  The contrast can be set by the CONT command.												
Example													
	< r:CONT	=N, -20, 20											
	* Commands	are indicated	by ">", and re	esponses are	indicated by	"<".							
Commands	0,100	SX6	SX60	X600									
supported		01.01**	01.01**	01.01**									
	0	0	0	0									
				ı	ı								

Model	F	owe	r					Input					Mo	de	Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	Remarks
SX50	×	0	×	0	0	0	0	0	0	-	_	0	0	×	
SX6	×	0	×	0	0	0	0	0	0	0	0	0	0	×	
SX60															
X600															

<sup>\*</sup> If a command cannot be supported, 'INVALID\_MODE' or 'NOT\_POWER\_SUPPLIED' is returned as an error response.
\* "i:BUSY" may be returned if the power status is being switched.

Number													
Number													
Number													
Number													
Il other responses, refer to "Error List."  nquires about the range within which the sharpness can be set.													
<ul> <li>-1 This inquiry can be made when the projector is in both the remote mode and power-on status at the same time.</li> <li>A "busy" response is given while the zoom or focus lens is being driven.</li> <li>(Refer to the ZCONTDRV command and FCONTDRV command.)</li> <li>-2 The sharpness can be set by the SHARP command.</li> </ul>													
_													

Model	F	owe	r					Input					Мо	de	Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	INCIIIAINS
SX50	×	0	×	0	0	0	0	0	0	-	_	0	0	×	
SX6	×	0	×	0	0	0	0	0	0	0	0	0	0	×	
SX60															
X600															

<sup>\*</sup> If a command cannot be supported, 'INVALID\_MODE' or 'NOT\_POWER\_SUPPLIED' is returned as an error response.
\* "i:BUSY" may be returned if the power status is being switched.

Commands	RANG	E GAN	ИΜА			Mo	ode	Control	Setting	Reference				
Function	Gamma adj	ustment ran	ige request											
Format	RANGE	□GAMMA												
Response	r:GAMI	MA=N, <min< th=""><th>imum setti</th><th>ng value&gt;,</th><th><maximum< th=""><th>setting valu</th><th>ıe&gt;</th><th></th><th></th><th></th></maximum<></th></min<>	imum setti	ng value>,	<maximum< th=""><th>setting valu</th><th>ıe&gt;</th><th></th><th></th><th></th></maximum<>	setting valu	ıe>							
	For all othe	r responses	, refer to "Er	ror List."						Number				
Description	This inquire	s about the	range within	which the o	gamma can	be adjusted.			L. C.					
	at the s A "busy (Refer t -2 The gar	<ul> <li>-1 This inquiry can be made when the projector is in both the remote mode and power-on status at the same time.</li> <li>A "busy" response is given while the zoom or focus lens is being driven.</li> <li>(Refer to the ZCONTDRV command and FCONTDRV command.)</li> <li>-2 The gamma adjustment value can be set by the GAMMA command.</li> </ul>												
Example		• • • • • • • • • • • • • • • • • • • •												
	< r:GAMN	MA=N, -4, 4												
	* Commands	are indicated	by ">", and re	esponses are	indicated by	"<".								
Commands		SX6	SX60	X600										
supported	01.00**	01.01**	01.01**	01.01**										
	0	0	0	0										

Model	F	owe	r					Input					Мо	de	Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	INCIIIAINS
SX50	×	0	×	0	0	0	0	0	0	-	_	0	0	×	
SX6	×	0	×	0	0	0	0	0	0	0	0	0	0	×	
SX60															
X600															

<sup>\*</sup> If a command cannot be supported, 'INVALID\_MODE' or 'NOT\_POWER\_SUPPLIED' is returned as an error response.
\* "i:BUSY" may be returned if the power status is being switched.

Commands	RANG	E DG/	AMMA			Me	ode	Control Se	tting	Reference					
Function	Dynamic ga	ımma settinç	g option requ	uest											
Format	RANGE	□DGAMM	A												
Response	r:DGAN	/IMA=I, <se< th=""><th>tting option</th><th>1&gt;, <settir< th=""><th>ng option 2</th><th>&gt;,, <settiı< th=""><th>ng o</th><th>ption n&gt;</th><th></th><th></th></settiı<></th></settir<></th></se<>	tting option	1>, <settir< th=""><th>ng option 2</th><th>&gt;,, <settiı< th=""><th>ng o</th><th>ption n&gt;</th><th></th><th></th></settiı<></th></settir<>	ng option 2	>,, <settiı< th=""><th>ng o</th><th>ption n&gt;</th><th></th><th></th></settiı<>	ng o	ption n>							
	For all other	r responses	, refer to "Er	ror List."						ID					
Description	This inquire	s inquires about the parameter options which enable the dynamic gamma to be set.													
	at the s A "busy (Refer t	1.1 This inquiry can be made when the projector is in both the <b>remote mode</b> and <b>power-on</b> status at the same time.  A "busy" response is given while the zoom or focus lens is being driven.  (Refer to the ZCONTDRV command and FCONTDRV command.)  2.2 The dynamic gamma setting value can be selected by the DGAMMA command.													
Example		DGAMMA													
	< r:DGAN	1MA=I, 0, 1													
			by ">", and re	esponses are	indicated by	"<".									
Commands		SX6	SX60	X600											
supported	01.00** O	01.01**	01.01**	01.01** O											
	0	0													

Model	F	owe	r					Input					Мо	de	Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	INCIIIAINS
SX50	×	0	×	0	0	0	0	0	0	-	_	0	0	×	
SX6	×	0	×	0	0	0	0	0	0	0	0	0	0	×	
SX60															
X600															

<sup>\*</sup> If a command cannot be supported, 'INVALID\_MODE' or 'NOT\_POWER\_SUPPLIED' is returned as an error response.
\* "i:BUSY" may be returned if the power status is being switched.

User Command Specifications 9. Details of command RANGE PROG

Commands	RANG	E PRO	)G				Mode	Control	Setting	Reference					
Function	Progressive	setting opti	on request												
Format	RANGE	□PROG													
Response	r:PROC	S=I, <setting< th=""><th>g option 1&gt;</th><th>, <setting o<="" th=""><th>ption 2&gt;, .</th><th>, <settir< th=""><th>ng optio</th><th>on n&gt;</th><th></th><th></th></settir<></th></setting></th></setting<>	g option 1>	, <setting o<="" th=""><th>ption 2&gt;, .</th><th>, <settir< th=""><th>ng optio</th><th>on n&gt;</th><th></th><th></th></settir<></th></setting>	ption 2>, .	, <settir< th=""><th>ng optio</th><th>on n&gt;</th><th></th><th></th></settir<>	ng optio	on n>							
	For all othe	r responses	refer to "Er	ror List."						ID					
Description	This inquire	s about the	parameter o	ptions whic	n enable th	e progres	sive set	ting to be	e select	ed.					
		This inquiry can be made when the projector is in both the <b>remote mode</b> and <b>power-on</b> status at the same time.													
		me input sig													
	-2 The pro	gressive se	tting can be	selected by	the PROG	command	d.								
Example	> RANGE	PROG													
	< r:PROG	S=I, 0, 1, 2													
	* Commands	are indicated	hy ">" and re	are sasnonse	indicated by	ı "<"									
Commands		SX6	SX60	X600	maioalou by	1									
supported	01.00**	01.01**	01.01**	01.01**											
	0	0	0	0											

_																
	Model		owe						Input					Мо	de	Remarks
		OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	Remarks
	SX50	×	0	×	×	×	×	0	0	0	-	-	×	0	×	
	SX6	×	0	×	×	×	×	0	0	0	×	×	×	0	×	
	SX60															
	X600															

<sup>\*</sup> If the command cannot be supported, 'INVALID\_MODE,' 'NOT\_POWER\_SUPPLIED' or 'INVALID\_SOURCE' is returned as an error response.

<sup>\*</sup> If the necessary signals are not input, 'INVALID\_SIGNAL (\*\*\*\*\*)' or 'NO\_SIGNAL' is returned.

<sup>\* &</sup>quot;i:BUSY" may be returned if the power status is being switched.

9. Details of command RANGE WB User Command Specifications

Commands	RANG	E WB				М	ode	Control	Setting	Reference					
Function	Screen colo	or correction	option requ	est											
Format	RANGE	□WB													
Response	r:WB=I	, <setting o<="" th=""><th>ption 1&gt;, &lt;</th><th>Setting opti</th><th>on 2&gt;,, •</th><th><setting op<="" th=""><th>tion</th><th>n&gt;</th><th></th><th></th></setting></th></setting>	ption 1>, <	Setting opti	on 2>,, •	<setting op<="" th=""><th>tion</th><th>n&gt;</th><th></th><th></th></setting>	tion	n>							
	For all other	r responses	, refer to "Er	ror List."						ID					
Description	This inquire	s inquires about the parameter options which enable the screen color to be corrected.													
	at the s A "busy (Refer t -2 The scr	-1 This inquiry can be made when the projector is in both the <b>remote mode</b> and <b>power-on</b> status at the same time.  A "busy" response is given while the zoom or focus lens is being driven.  (Refer to the ZCONTDRV command and FCONTDRV command.)  -2 The screen color correction can be set by the WB command.													
Example					_										
	< r:WB=I,	NORMAL,	GREENBOA	ARD, ADJUS	51										
	* Commands	are indicated	by ">", and re	esponses are	indicated by	"<".									
Commands	0,100	SX6	SX60	X600											
supported		01.01**	01.01**	01.01**											
	0	0	0	0											

Model	F	owe	r					Input					Мо	de	Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	Remarks
SX50	×	0	×	0	0	0	0	0	0	-	_	0	0	×	
SX6	×	0	×	0	0	0	0	0	0	0	0	0	0	×	
SX60															
X600															

<sup>\*</sup> If a command cannot be supported, 'INVALID\_MODE' or 'NOT\_POWER\_SUPPLIED' is returned as an error response.
\* "i:BUSY" may be returned if the power status is being switched.

Commands	RANG	E WBI	RGB				Mode	Control	Setting	Reference					
Function	Screen colo	or correction	(adjustment	t) range requ	uest	-									
Format	RANGE	□WBRGB													
Response	r:WBR	GB=N, <r n<="" th=""><th>ninimum va</th><th>lue&gt;, <r ma<="" th=""><th>aximum va</th><th>lue&gt;, <g< th=""><th>minim</th><th>um valu</th><th>e&gt;,</th><th></th></g<></th></r></th></r>	ninimum va	lue>, <r ma<="" th=""><th>aximum va</th><th>lue&gt;, <g< th=""><th>minim</th><th>um valu</th><th>e&gt;,</th><th></th></g<></th></r>	aximum va	lue>, <g< th=""><th>minim</th><th>um valu</th><th>e&gt;,</th><th></th></g<>	minim	um valu	e>,						
_	<g max<="" th=""><th>kimum valu</th><th>e&gt;, <b mini<="" th=""><th>mum value</th><th>&gt;, <b max<="" th=""><th>imum valı</th><th>ue&gt;</th><th></th><th></th><th></th></b></th></b></th></g>	kimum valu	e>, <b mini<="" th=""><th>mum value</th><th>&gt;, <b max<="" th=""><th>imum valı</th><th>ue&gt;</th><th></th><th></th><th></th></b></th></b>	mum value	>, <b max<="" th=""><th>imum valı</th><th>ue&gt;</th><th></th><th></th><th></th></b>	imum valı	ue>								
										Number					
	For all other	r responses	, refer to "Er	ror List."											
		•													
Description	This inquire	inquires about the range within which the screen color correction (adjustment) can be set.													
•															
	-1 This inc	1 This inquiry can be made when the projector is in both the remote mode and power-on status													
		This inquiry can be made when the projector is in both the <b>remote mode</b> and <b>power-on</b> status at the same time.													
			is given while	e the zoom	or focus ler	ns is being	driven	1_							
	,		TDRV comr			U		· -							
	`		rrection (ad				,	mmand							
	_ 1110 001	0011 00101 00	orroduorr (ad	juditilotit) de	50 001 5)	THE TYPIC	00	illinana.							
Example	> RANGE	WBRGB													
			20, -20, 20, -	20. 20											
		, -0,-	,,,	,3											
	* Commands	are indicated	by ">", and re	esponses are	indicated by	"<"									
Commands		SX6	SX60	X600		Τ΄									
supported		01.01**	01.01**	01.01**											
	0	C	0	0			-1-								
						_1	1								

			-		-										
Model		Powe						Input					Мо	de	Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	Remarks
SX50	×	0	×	0	0	0	0	0	0	-	-	0	0	×	
SX6	×	0	×	0	0	0	0	0	0	0	0	0	0	×	
SX60															
X600															

<sup>\*</sup> If a command cannot be supported, 'INVALID\_MODE' or 'NOT\_POWER\_SUPPLIED' is returned as an error response.
\* "i:BUSY" may be returned if the power status is being switched.

User Command Specifications 9. Details of command RANGE SAT

Commands	RANG	E SAT	•				Mode	Control	Setting	Reference					
Function	Color satura	ation setting	range reque	est											
Format	RANGE	□SAT													
Response	r:SAT=	N, <minimu< th=""><th>m setting v</th><th>alue&gt;, <ma< th=""><th>ximum set</th><th>ting valu</th><th>e&gt;</th><th></th><th></th><th></th></ma<></th></minimu<>	m setting v	alue>, <ma< th=""><th>ximum set</th><th>ting valu</th><th>e&gt;</th><th></th><th></th><th></th></ma<>	ximum set	ting valu	e>								
	For all othe	r responses	refer to "Er	ror List."						Number					
Description	This inquire	s about the	range withir	which the	color satura	ition can b	e set.								
	at the s A "busy (Refer t With so -2 The col	this inquires about the range within which the color saturation can be set.  1 This inquiry can be made when the projector is in both the <b>remote mode</b> and <b>power-on</b> status at the same time.  A "busy" response is given while the zoom or focus lens is being driven. (Refer to the ZCONTDRV command and FCONTDRV command.)  With some input signals, it may not be possible to make this inquiry.  2 The color saturation can be set by the SAT command.													
Example	> RANGE	SAT													
	< r:SAT=l	N, -20, 20													
	* Commands	are indicated	hy ">" and re	aenoneae ara	indicated by	, "_"									
Commands		SX6	SX60	X600	indicated by	1									
supported	01.00**	01.01**	01.01**	01.01**											
	0	0	0	0											

_																
	Model		owe						Input					Мо	de	Remarks
		OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	Remarks
	SX50	×	0	×	×	×	×	0	0	0	-	-	0	0	×	
	SX6	×	0	×	×	×	×	0	0	0	×	×	0	0	×	
	SX60															
	X600															

<sup>\*</sup> If the command cannot be supported, 'INVALID\_MODE,' 'NOT\_POWER\_SUPPLIED' or 'INVALID\_SOURCE' is returned as an error response.

<sup>\*</sup> If the necessary signals are not input, 'INVALID\_SIGNAL (\*\*\*\*\*)' or 'NO\_SIGNAL' is returned.

<sup>\* &</sup>quot;i:BUSY" may be returned if the power status is being switched.

9. Details of command RANGE HUE User Command Specifications

Commands	RANG	E HUE					Mode	Control	Setting	Reference					
Function	Hue setting	range reque	est												
Format	RANGE	HUE													
Response	r:HUE=	N, <minimu< th=""><th>ım setting v</th><th>/alue&gt;, <ma< th=""><th>ximum sett</th><th>ting valu</th><th>e&gt;</th><th></th><th></th><th></th></ma<></th></minimu<>	ım setting v	/alue>, <ma< th=""><th>ximum sett</th><th>ting valu</th><th>e&gt;</th><th></th><th></th><th></th></ma<>	ximum sett	ting valu	e>								
	For all other	r responses	refer to "Er	ror List."						Number					
Description	This inquire	s about the	range within	which the h	ue can be s	set.									
	at the sa A "busy (Refer t With so -2 The hue	his inquires about the range within which the hue can be set.  1 This inquiry can be made when the projector is in both the <b>remote mode</b> and <b>power-on</b> status at the same time.  A "busy" response is given while the zoom or focus lens is being driven. (Refer to the ZCONTDRV command and FCONTDRV command.) With some input signals, it may not be possible to make this inquiry.  2 The hue can be set by the HUE command.													
Example															
	< r:HUE=	N, -20, 20													
	* Commands	are indicated	by ">", and re	esponses are	indicated by	"<".									
Commands		SX6	SX60	X600											
supported	01100	01.01**	01.01**	01.01**											
	0	0	0	0											

Model	F	owe	r					Input					Мо	de	Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	Remaiks
SX50	.,	0	.,	×	.,	×	0	-	-			0		.,	
3/30	^	)	^	*	×	^	1	0	0		_	×	O	×	
SX6							0	-	_			0			
SX60	×	0	×	×	×	×				×	×		0	×	
X600							_	0	0			×			

<sup>\*</sup> If the command cannot be supported, 'INVALID\_MODE,' 'NOT\_POWER\_SUPPLIED' or 'INVALID\_SOURCE' is returned as an error response.

\* If the necessary signals are not input, 'INVALID\_SIGNAL (\*\*\*\*\*\*)' or 'NO\_SIGNAL' is returned.

\* "i:BUSY" may be returned if the power status is being switched.

Commands	RANGE	RGBC	AIN				Mode	Control	Setting	Reference
Function	RGB gain adj	ustment ran	ge request							
Format	RANGE	RGBGAIN								
Response		value>, <b< th=""><th>minimum val</th><th>ue&gt;, <b maxi<="" th=""><th>um value&gt;, &lt;0 mum value&gt;</th><th>i minimum va</th><th>alue&gt;, <g< th=""><th>ì</th><th>N</th><th>umber</th></g<></th></b></th></b<>	minimum val	ue>, <b maxi<="" th=""><th>um value&gt;, &lt;0 mum value&gt;</th><th>i minimum va</th><th>alue&gt;, <g< th=""><th>ì</th><th>N</th><th>umber</th></g<></th></b>	um value>, <0 mum value>	i minimum va	alue>, <g< th=""><th>ì</th><th>N</th><th>umber</th></g<>	ì	N	umber
Description	( Refe	iry can be m time. , a "busy" re r to the ZC	nade when the esponse is gi	e projector is ven while the command a		remote mode ous lens is be FDRV com	e and po	ower-on :		t
Example		IN=N, −20, 2	20, -20, 20, -		cated by "<".					
Commands supported	\$X50 01. 00**	0	SX60 01. 01** Oported, "e:000/	0	RAMETER" is	returned.				

М	lodel	Pow	er sı	pply					Input					Мс	de	Remarks
		OFF	ON	РМ	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	Remarks
S	X50	_	_	_	-	_	_	_	_	_	_	_	-	_	_	
	SX6 SX60	×	0	×	0	0	0	0	0	0	0	0	0	0	×	
X	(600															

<sup>\*</sup>If a state is not supported, "INVALID\_MODE" or "NOT\_POWER\_SUPPLIED" is returned with the Err response.

<sup>\*</sup>When the power supply state is in the process of switching, an "i:BUSY" reply may be sent.

Commands	RANGE	RGBC	)FFSE1				Mode	Control	Setting	Reference					
Function	RGB offset a	adjustment ra	ange inquiry												
Format	RANGE	□RGBOFFSI	ET												
Response		n value>, ≺B	minimum val	ue>, ≺B maxi		, <g minimun<="" th=""><th>n <b>value</b>&gt;,</th><th>.≺G</th><th>N</th><th>umber</th></g>	n <b>value</b> >,	.≺G	N	umber					
Description	the sam Howeve ( Refe	uiry can be m e time. r, a "busy" re er to the ZC	nade when the esponse is gi	e projector is ven while the command a	s in both the zoom or foo and FCON	remote mode cus lens is be TDRV com	e and po	en.	status a	t					
Example	< r:RGBOI	The RGB offset can be set using the RGBOFFSET command.  RANGE RGBOFFSET r:RGBOFFSET=N, -20, 20, -20, 20, -20, 20  nmands are indicated by ">", and responses are indicated by "<".													
Commands supported	SX50 01. 00** × When a comm	0	0	0	RAMETER" is	returned.									

Cupport															
Model								Input					Мо	de	Remarks
	OFF	ON	РМ	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	INCINIALNS
SX50	_	_	_	-	-	_	_	_	_	_	_	-	_	_	
SX6	×	0	×	0	0	0	0	0	0	0	0	0	0	×	
SX60															
X600															

<sup>\*</sup>If a state is not supported, "INVALID\_MODE" or "NOT\_POWER\_SUPPLIED" is returned with the Err response.

 $<sup>\</sup>pmb{*} \textbf{When the power supply state is in the process of switching, an "i:BUSY" reply may be sent.}$ 

Commands	RANG	E ACA	DJUS	T		Mo	Ode Contro	Setting	Reference						
Function	Advanced of	color adjustn	nent option r	equest											
Format	RANGE	□ACADJU	ST												
Response	r:ACAE	DJUST=I, <s< th=""><th>etting option</th><th>on 1&gt;, <set< th=""><th>ing option</th><th>2&gt;,, <set< th=""><th>ting optio</th><th>n n&gt;</th><th></th></set<></th></set<></th></s<>	etting option	on 1>, <set< th=""><th>ing option</th><th>2&gt;,, <set< th=""><th>ting optio</th><th>n n&gt;</th><th></th></set<></th></set<>	ing option	2>,, <set< th=""><th>ting optio</th><th>n n&gt;</th><th></th></set<>	ting optio	n n>							
	For all othe	r responses	refer to "Er	ror List."					ID						
Description	This inquire	s about the	parameter c	ptions which	n enable the	advanced o	color adjust	ment to b	e set.						
	at the s A "busy (Refer t -2 The ad	1 This inquiry can be made when the projector is in both the <b>remote mode</b> and <b>power-on</b> status at the same time.  A "busy" response is given while the zoom or focus lens is being driven.  (Refer to the ZCONTDRV command and FCONTDRV command.)  2 The advanced color adjustment can be set by the ACADJUST command.													
Example	_	ACADJUS													
	< r:ACAD	JUST=I, NC	CORRECT	, MEM_L, M	EM_M, MEN	И_H, 6AX									
	* Commands	are indicated	by ">", and re	esponses are	indicated by '	"<".									
Commands	SX50	SX6	SX60	X600	·										
supported		01.01**	01.01**	01.01**											
	0	×	×	×											
	When a com	mand is not si	upported, "e:0	00A INVALID	_PARAMETE	R" is returned	d.								

Model	F	owe	r					Input					Mo	de	Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	INCIIIAINS
SX50	×	0	×	×	×	×	0	0	0	-	_	0	0	×	
SX6	-	1	1	-	-	-	1	-	-	-	-	-	-	1	
SX60															
X600															

<sup>\*</sup> If a command cannot be supported, 'INVALID\_MODE' or 'NOT\_POWER\_SUPPLIED' is returned as an error response.
\* "i:BUSY" may be returned if the power status is being switched.

Commands	RANG	Е МЕМО	CADJ				Mode	Control	Setting	Reference
Function	Memory cold	or adjustment	setting opti	on request						
Format	RANGE	□MEMCADJ								
Response	r:MEMC	ADJ=I, <sett< th=""><th>ing option 1&gt;</th><th>, <setting op<="" th=""><th>tion 2&gt;, ···, &lt;</th><th>Setting option</th><th>on n&gt;</th><th></th><th></th><th></th></setting></th></sett<>	ing option 1>	, <setting op<="" th=""><th>tion 2&gt;, ···, &lt;</th><th>Setting option</th><th>on n&gt;</th><th></th><th></th><th></th></setting>	tion 2>, ···, <	Setting option	on n>			
	For all other	responses, r	efer to "Erro	or List."						ID
Description	to be set.  (1) This inq the sam Howeve ( Refe	nd is used to uiry can be m e time. r, a "busy" re er to the ZC mory color ac	nade when the esponse is gi	e projector i ven while the command a	s in both the zoom or foo	remote mode cus lens is be FDRV comi	e and po ing drive mand.	ower-on	-	
Example	< r:MEMC	MEMCADJ ADJ=I, OFF, are indicated by			cated by "<".					
Commands	0)/50	SX6	SX60	X600	•					
supported	01. 00**		01. 01**							
	×	0	0	0	DAMETER":					
	When a comm	and is not supp	ported, e:000	a invalid_Pa	RAME LER' is	returned.				

Cappo																
Mode	ıl F	ow	er su	pply					Input					Мс	de	Remarks
	0	OFF	ON	РМ	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	Remarks
SX50	)	_	_	_	-	_	_	_	_	_	_	_	-	_	_	
SX6		×	0	×	0	0	0	0	0	0	0	0	0	0	×	
X600	)															

<sup>\*</sup>If a state is not supported, "INVALID\_MODE" or "NOT\_POWER\_SUPPLIED" is returned with the Err response.

<sup>\*</sup>When the power supply state is in the process of switching, an "i:BUSY" reply may be sent.

User Command Specifications 9. Details of command RANGE 6AXADJ

Commands	RANGE	6AXA	DJ				Mode	Control	Setting	Reference
Function	6-axis adjus	tment option	inquiry							
Format	RANGE	⊒6AXADJ								
Response	r:6AXAD	J=I, <setting< th=""><th>option 1&gt;, &lt;</th><th>Setting option</th><th>n 2&gt;, ···, <s< th=""><th>etting option</th><th>n&gt;</th><th></th><th></th><th></th></s<></th></setting<>	option 1>, <	Setting option	n 2>, ···, <s< th=""><th>etting option</th><th>n&gt;</th><th></th><th></th><th></th></s<>	etting option	n>			
	For all other	responses, r	efer to "Err	or List."						ID
Description	(1) This inquithe sam However	uiry can be me time. r, a "busy" re er to the ZC	nade when the esponse is gi	e projector is ven while the command a	s in both the zoom or found FCON	remote mode cus lens is be FDRV comi 6AXADJ c	e and po ing drive mand.	ower-on : en.		
Example	< r:6AXAD	J=I, ON, OFI		oonses are indi	cated by "<".					
Commands	SX50	SX6	SX60	X600						
supported	01. 00** ×	01. 01**	01. 01**	01. 01** O						
				A INVALID_PAI	RAMETER" is	returned.				

Model	Pow	er sı	ıpply					Input					Мо	de	Remarks
	OFF	ON	РМ	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	Remarks
SX50	_	_	_	_	_	_	_	_	_	_	_	-	_	_	
SX6	×	0	×	0	0	0	0	0	0	0	0	0	0	×	
SX60															
X600															

 $<sup>*</sup> If a state is not supported, "INVALID\_MODE" or "NOT\_POWER\_SUPPLIED" is returned with the Err response.$ 

 $<sup>\</sup>hbox{$\star$When the power supply state is in the process of switching, an $``i:BUSY''$ reply may be sent.}$ 

RANG	E 6AX	R-6AX	Υ		Mod	de Control	Setting	Reference						
6-axis corre	ction R to Y	hue/color s	aturation settii	ng range requ	est									
					•		-							
<minim< th=""><th>um color s</th><th>aturation va</th><th>alue&gt;, <maxir< th=""><th>•</th><th></th><th>•</th><th></th><th>Number</th></maxir<></th></minim<>	um color s	aturation va	alue>, <maxir< th=""><th>•</th><th></th><th>•</th><th></th><th>Number</th></maxir<>	•		•		Number						
set.  -1 This inquat the sate A "busy' (Refer to	1 This inquiry can be made when the projector is in both the <b>remote mode</b> and <b>power-on</b> status at the same time.  A "busy" response is given while the zoom or focus lens is being driven.  (Refer to the ZCONTDRV command and FCONTDRV command.)													
< r:6AXC=	• RANGE 6AXC • r:6AXC=N, -20, 20, -20, 20													
SX50	SX6	SX60	X600											
							-							
U	U	U	U	1			J							
	R range i RANGEE  r:6AXR( <minimi "busy"="" (refer="" -1="" -2="" 6-a:="" a="" all="" at="" for="" inq="" inquires="" other="" sa="" set.="" the="" this="" to=""> RANGE &lt; r:6AXC=  * Commands</minimi>	R range inquiry G ra RANGE□6AXR RAN  r:6AXR(G,B,C,M,Y <minimum "busy"="" (refer="" -1="" -2="" 6-axis="" a="" about="" all="" at="" be="" can="" color="" correction="" for="" in="" inquires="" inquiry="" other="" response="" responses.="" s="" same="" set.="" the="" this="" time.="" to="" zcon=""> RANGE 6AXC &lt; r:6AXC=N, -20, 20,  * Commands are indicated SX50 SX6 O1.00** SX6</minimum>	6-axis correction R to Y hue/color s  R range inquiry G range inquiry RANGE□6AXR RANGE□6AXG  r:6AXR(G,B,C,M,Y)=N, <minim "busy"="" "er="" (refer="" -1="" -2="" 6-axis="" <minimum="" a="" about="" all="" at="" be="" ca="" can="" color="" comr="" correction="" for="" given="" inquires="" inquiry="" is="" made="" other="" r="" range="" refer="" response="" responses,="" same="" saturation="" set.="" the="" this="" time.="" to="" vi="" when="" whil="" withir="" y="" zcontdrv=""> RANGE 6AXC &lt; r:6AXC=N, -20, 20, -20, 20  *Commands are indicated by "&gt;", and re  SX50 01.01** SX60 01.01**</minim>	R range inquiry G range inquiry B range inquiry RANGE□6AXR RANGE□6AXG RANGE□6AXC RANGE□6AXG RANGE□	6-axis correction R to Y hue/color saturation setting range requestions are inquiry G range inquiry B range inquiry C range inquiry RANGE□6AXR RANGE□6AXG RANGE□6AXB RANGE□6AXG RANGE□6AXB RANGE□6AXG RANGE□6AXB RANGE□6AXG RANGE□6AXB RANGE□6AXG RANGE□6AXB RANGE□6AXG RANGE□6AXB RANGE□6AXG RANGE□6AXB RANGE□6AXG RANGE□6AXB RANGE□6AXG RANGE□6AXB RANGE□6AXG RANGE□6AXB RANGE□6AXG RANGE□6AXG RANGE□6AXG RANGE□6AXG RANGE□6AXG RANGE□6AXG RANGE□6AXG RANGE□6AXG RANGE□6AXG RANGE□6AXG RANGE□6AXG RANGE□6AXC RANGE□6AXG	6-axis correction R to Y hue/color saturation setting range request  R range inquiry G range inquiry B range inquiry C range inquiry M range reaction R to Y hue/color saturation setting range request  R range inquiry G range inquiry B range inquiry C range inquiry M range reaction R range range reaction R range	R range inquiry G range inquiry B range inquiry C range inquiry M range inquiry RANGE□6AXR RANGE□6AXG RANGE□6AXB RANGE□6AXC RANGE□6AXC RANGE□6AXM  r:6AXR(G,B,C,M,Y)=N, <minimum hue="" value="">, <maximum hue="" value="">, <minimum color="" saturation="" value="">, <maximum color="" saturation="" value="">  For all other responses, refer to "Error List."  This inquires about the range within which the 6-axis correction R to Y hue and color set.  -1 This inquiry can be made when the projector is in both the remote mode and p at the same time.  A "busy" response is given while the zoom or focus lens is being driven. (Refer to the ZCONTDRV command and FCONTDRV command.)  -2 The 6-axis correction R to Y can be set by the 6AXR to Y command.  &gt; RANGE 6AXC  &lt; r:6AXC=N, -20, 20, -20, 20  *Commands are indicated by "&gt;", and responses are indicated by "&lt;".  SX50 SX6 SX60 X600 01.01** 01.01** 01.01**</maximum></minimum></maximum></minimum>	R range inquiry G range inquiry B range inquiry C range inquiry M range inquiry Y range RANGE□6AXR RANGE□6AXG RANGE□6AXB RANGE□6AXC RANGE□6AXM RANGE□  r:6AXR(G,B,C,M,Y)=N, <minimum hue="" value="">, <maximum hue="" value="">, <minimum color="" saturation="" value="">  For all other responses, refer to "Error List."  This inquires about the range within which the 6-axis correction R to Y hue and color satura set.  -1 This inquiry can be made when the projector is in both the remote mode and power-on at the same time.  A "busy" response is given while the zoom or focus lens is being driven.  (Refer to the ZCONTDRV command and FCONTDRV command.)  -2 The 6-axis correction R to Y can be set by the 6AXR to Y command.  &gt; RANGE 6AXC  &lt; r:6AXC=N, -20, 20, -20, 20  *Commands are indicated by "&gt;", and responses are indicated by "&lt;".  SX50 SX6 SX60 X600 01.01** 01.01** 01.01**</minimum></maximum></minimum>						

 uppoi	iou .	0011	iiiiai	iu State	J										
Model	F	Powe	er					Input					Mo	de	Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	Remarks
SX50	×	0	×	0	0	0	0	0	0	-	_	0	0	×	
SX6	×	0	×	0	0	0	0	0	0	0	0	0	0	×	
SX60															
X600															

<sup>\*</sup> If a command cannot be supported, 'INVALID\_MODE' or 'NOT\_POWER\_SUPPLIED' is returned as an error response.

\* "i:BUSY" may be returned if the power status is being switched.

9. Details of command RANGE LAMP User Command Specifications

Commands	RANG	E LAN	1P			Mo	<del>de</del>	Control Set	ting	Reference				
Function	Lamp outpu	it setting op	ion request											
Format	RANGE	□LAMP												
Response	r:LAMF	P=I, <setting< th=""><th>g option 1&gt;,</th><th><setting o<="" th=""><th>ption 2&gt;,</th><th>., <setting o<="" th=""><th>ptio</th><th>n n&gt;</th><th></th><th></th></setting></th></setting></th></setting<>	g option 1>,	<setting o<="" th=""><th>ption 2&gt;,</th><th>., <setting o<="" th=""><th>ptio</th><th>n n&gt;</th><th></th><th></th></setting></th></setting>	ption 2>,	., <setting o<="" th=""><th>ptio</th><th>n n&gt;</th><th></th><th></th></setting>	ptio	n n>						
	For all other	r responses	, refer to "Er	ror List."						ID				
Description	This inquire	nis inquires about the parameter options which enable the lamp output to be set.												
	at the s A "busy (Refer t	ame time. " response io the ZCON		e the zoom on the mand and F0	or focus len	the <b>remote n</b> s is being dri command.)		•	r-on	status				
Example														
	< r:LAMP	=I, NORMA	L, SILEN I											
	* Commands	are indicated	by ">", and re	esponses are	indicated by	"<".								
Commands		SX6	SX60	X600										
supported	01.00** O	01.01**	01.01**	01.01** O										
	J	<u> </u>				<u> </u>								

Model	F	owe	r					Input					Мо	de	Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	INCIIIAINS
SX50	×	0	×	0	0	0	0	0	0	-	_	0	0	×	
SX6	×	0	×	0	0	0	0	0	0	0	0	0	0	×	
SX60															
X600															

<sup>\*</sup> If a command cannot be supported, 'INVALID\_MODE' or 'NOT\_POWER\_SUPPLIED' is returned as an error response.
\* "i:BUSY" may be returned if the power status is being switched.

Commands	RANGI	E VKS	/HKS			Mo	ode Contro	Setting	Reference
Function	Vertical/horiz	ontal keys	one setting	range reque	est				
Format	Vertical ke	•	ng range inqu	•	al keystone s E□HKS	setting range ir	nquiry		
Response		, <minimu< th=""><th>Ū</th><th>alue&gt;, <ma< th=""><th></th><th>ting value&gt; ting value&gt;</th><th></th><th></th><th>Number</th></ma<></th></minimu<>	Ū	alue>, <ma< th=""><th></th><th>ting value&gt; ting value&gt;</th><th></th><th></th><th>Number</th></ma<>		ting value> ting value>			Number
Description	at the sai A "busy" (Refer to	iry can be me time. response i the ZCON cal and ho	made when s given while TDRV comn	the projectors the zoom	or is in both or focus len CONTDRV	the <b>remote</b> r	node and <b>I</b>	oower-on	status
Example	> RANGE I < r:HKS=N * Commands a	, -30, 30	by ">", and re	esponses are	indicated by	"<".			
Commands	0,100	SX6	SX60	X600			_		
supported		01.01**	01.01**	01.01**					
	0	0	0	0				_	

очььо.		00		ia Ciaio	•										
Model	F	owe	r					Input					Mo	de	Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	None	Remote	Local	INCIIIAINS					
SX50	×	0	×	0	0	0	0	0	0	-	_	×	0	×	
SX6	×	0	×	0	0	0	0	0	0	0	0	0	0	×	
SX60															
X600															

<sup>\*</sup> If a command cannot be supported, 'INVALID\_MODE' or 'NOT\_POWER\_SUPPLIED' is returned as an error response.

<sup>\*</sup> If the necessary signals are not input, "NO\_SIGNAL' is returned.
\* "i:BUSY" may be returned if the power status is being switched.

9. Details of command RANGE AVOL User Command Specifications

Commands	RANG	E AVC	)L			N	lode	Control	Setting	Reference					
Function	Audio volun	ne setting ra	inge request												
Format	RANGE	□AVOL													
Response	r:AVOL	.=N, <minim< th=""><th>num setting</th><th>value&gt;, <n< th=""><th>aximum se</th><th>etting value</th><th>?&gt;</th><th></th><th></th><th></th></n<></th></minim<>	num setting	value>, <n< th=""><th>aximum se</th><th>etting value</th><th>?&gt;</th><th></th><th></th><th></th></n<>	aximum se	etting value	?>								
	For all other	r responses	, refer to "Er	ror List."						Number					
Description	This inquire	is inquires about the range within which the audio volume can be set.													
	at the s A "busy (Refer t -2 The aud	ame time. " response in the ZCON dio volume of	made when is given whil ITDRV comr can be set by	e the zoom	or focus len	ıs is being d	riven	-	ower-on	ı status					
Example															
	< r:AVOL	=N, 0, 20													
	* Commands	are indicated	by ">", and re	esponses are	indicated by	"<".									
Commands	0,100	SX6	SX60	X600											
supported		01.01**	01.01**	01.01**											
	0	0	0	0											
		•	•	•	•	•			3						

Model	F	owe	r					Input					Mo	de	Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	Remarks
SX50	×	0	×	0	0	0	0	0	0	-	_	0	0	×	
SX6	×	0	×	0	0	0	0	0	0	0	0	0	0	×	
SX60															
X600															

<sup>\*</sup> If a command cannot be supported, 'INVALID\_MODE' or 'NOT\_POWER\_SUPPLIED' is returned as an error response.
\* "i:BUSY" may be returned if the power status is being switched.

9. Details of command RANGE MUTE User Command Specifications

Commands	RANG	E MU	ΓΕ			Mo	ode Contro	Setting	Reference						
Function	Mute contro	ol setting opt	ion request												
Format	RANGE	MUTE													
Response	r:MUTE	=I, <setting< th=""><th>g option 1&gt;,</th><th><setting o<="" th=""><th>ption 2&gt;,</th><th>., <setting of<="" th=""><th>ption n&gt;</th><th></th><th></th></setting></th></setting></th></setting<>	g option 1>,	<setting o<="" th=""><th>ption 2&gt;,</th><th>., <setting of<="" th=""><th>ption n&gt;</th><th></th><th></th></setting></th></setting>	ption 2>,	., <setting of<="" th=""><th>ption n&gt;</th><th></th><th></th></setting>	ption n>								
	For all othe	r responses	, refer to "Er	ror List."					ID						
Description	This inquire	is inquires about the parameter options which enable mute control to be set.													
	at the s A "busy (Refer t	ame time. " response io the ZCON		e the zoom	or focus len CONTDRV	the <b>remote r</b> s is being dr command.)	•	ower-or	ı status						
Example	< r:MUTE	=I, ON, OFF													
Commands		are indicated	by ">", and re	esponses are X600	indicated by	"<". 		1							
supported		01.01**	01.01**	01.01**											
	0	0	0	0											
							•	_							

Model	F	owe	r					Input					Мо	de	Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	Remarks
SX50	×	0	×	0	0	0	0	0	0	-	_	0	0	×	
SX6	×	0	×	0	0	0	0	0	0	0	0	0	0	×	
SX60															
X600															

<sup>\*</sup> If a command cannot be supported, 'INVALID\_MODE' or 'NOT\_POWER\_SUPPLIED' is returned as an error response.
\* "i:BUSY" may be returned if the power status is being switched.

9. Details of command RANGE BVOL User Command Specifications

Commands	RANG	E BVC	)L			4	Aode	Control	Setting	Reference					
Function	Beep sound	d setting opti	on request												
Format	RANGE	□BVOL													
Response	r:BVOL	.=I, <setting< th=""><th>option 1&gt;,</th><th><setting o<="" th=""><th>ption 2&gt;,</th><th>., <setting< th=""><th>optic</th><th>n n&gt;</th><th></th><th></th></setting<></th></setting></th></setting<>	option 1>,	<setting o<="" th=""><th>ption 2&gt;,</th><th>., <setting< th=""><th>optic</th><th>n n&gt;</th><th></th><th></th></setting<></th></setting>	ption 2>,	., <setting< th=""><th>optic</th><th>n n&gt;</th><th></th><th></th></setting<>	optic	n n>							
	For all other	r responses	refer to "Er	ror List."						ID					
Description	This inquire	s inquires about the parameter options which enable the beep sound to be set.  This inquiry can be made when the projector is in both the remote mode and power-on status													
	at the sa A "busy (Refer t	quiry can be ame time. " response i o the ZCON ep sound ca	s given while	e the zoom	or focus len CONTDRV	is is being o	driven		ower-on	status					
Example															
	< r:BVOL:	=1, 0, 1													
		are indicated	by ">", and re	esponses are	indicated by	"<".									
Commands		SX6	SX60	X600											
supported	01.00** O	01.01**	01.01**	01.01** O		1	-								
		0	0		l	1	I								

Model	F	owe	r					Input					Мо	de	Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	INCIIIAINS
SX50	×	0	×	0	0	0	0	0	0	-	_	0	0	×	
SX6	×	0	×	0	0	0	0	0	0	0	0	0	0	×	
SX60															
X600															

<sup>\*</sup> If a command cannot be supported, 'INVALID\_MODE' or 'NOT\_POWER\_SUPPLIED' is returned as an error response.
\* "i:BUSY" may be returned if the power status is being switched.

Commands	RANG	E IMA	GEFLI	Р		Mo	ode Co	ontrol S	etting	Reference					
Function	Flip display	setting option	on request												
Format	RANGE	□IMAGEF	LIP												
Response	r:IMAG	EFLIP=I, <	Setting option	on 1>, <set< th=""><th>ting option</th><th>2&gt;,, <set< th=""><th>tting op</th><th>ption n</th><th>&gt;</th><th></th></set<></th></set<>	ting option	2>,, <set< th=""><th>tting op</th><th>ption n</th><th>&gt;</th><th></th></set<>	tting op	ption n	>						
	For all other	r responses	, refer to "Er	ror List."						ID					
Description	This inquire	is inquires about the parameter options which enable the flip display to be set.													
	at the s A "busy (Refer t	ame time. " response in the ZCON		e the zoom	or focus len CONTDRV			and pow	ver-on	status					
Example		IMAGEFLI	-												
	< r:IMAGI	EFLIP=I, NC	ONE, CEILIN	IG, REAR, F	REAR_SÉIL	ING									
	* Commands	are indicated	by ">", and re	esponses are	indicated by	"<".									
Commands	SX50	SX6	SX60	X600											
supported	01.00**	01.01**	01.01**	01.01**											
	0	0	0	0											

Model	F	owe	er					Input					Мо	de	Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	Remarks
SX50	×	0	×	0	0	0	0	0	0	-	-	0	0	×	
SX6	×	0	×	0	0	0	0	0	0	0	0	0	0	×	
SX60															
X600															

<sup>\*</sup> If a command cannot be supported, 'INVALID\_MODE' or 'NOT\_POWER\_SUPPLIED' is returned as an error response.

\* "i:BUSY" may be returned if the power status is being switched.

9 .Details of command RANGE PMM User Command Specifications

Commands	RANG	E PMN	И			Me	ode	Control	Setting	Reference					
Function	Power man	agement se	tting option i	request											
Format	RANGE	□РММ													
Response	r:PMM=	I, <setting< th=""><th>option 1&gt;,</th><th><setting op<="" th=""><th>tion 2&gt;,,</th><th><setting or<="" th=""><th>otion</th><th>n&gt;</th><th></th><th></th></setting></th></setting></th></setting<>	option 1>,	<setting op<="" th=""><th>tion 2&gt;,,</th><th><setting or<="" th=""><th>otion</th><th>n&gt;</th><th></th><th></th></setting></th></setting>	tion 2>,,	<setting or<="" th=""><th>otion</th><th>n&gt;</th><th></th><th></th></setting>	otion	n>							
	For all other	responses	, refer to "Er	ror List."						ID					
Description	This inquire	is inquires about the parameter options which enable power management to be set.													
	at the sa A "busy (Refer t -2 Power r	<ul> <li>-1 This inquiry can be made when the projector is in both the remote mode and power-on status at the same time.</li> <li>A "busy" response is given while the zoom or focus lens is being driven.</li> <li>(Refer to the ZCONTDRV command and FCONTDRV command.)</li> <li>-2 Power management can be set by the PMM command.</li> </ul>													
Example															
	< r:PMM=	I, OFF, STA	ANDBY, EXI	Т											
	* Commands	are indicated	by ">", and re	esponses are	indicated by	"<".									
Commands	SX50	SX6	SX60	X600											
supported		01.01**	01.01**	01.01**											
	0	0	0	0											

Model	F	owe	r					Input					Mo	de	Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	INCIIIAINS
SX50	×	0	×	0	0	0	0	0	0	-	-	0	0	×	
SX6	×	0	×	0	0	0	0	0	0	0	0	0	0	×	
SX60															
X600															

<sup>\*</sup> If a command cannot be supported, 'INVALID\_MODE' or 'NOT\_POWER\_SUPPLIED' is returned as an error response.
\* "i:BUSY" may be returned if the power status is being switched.

9. Details of command RANGE PJON User Command Specifications

Commands	RANG	E PJO	N			1	Mode	Control	Setting	Reference					
Function	Display scre	een at startu	p setting op	tion request											
Format	RANGE	□PJON													
Response	r:PJON	=I, <setting< th=""><th>option 1&gt;,</th><th><setting o<="" th=""><th>ption 2&gt;,</th><th>., <setting< th=""><th>optic</th><th>n n&gt;</th><th></th><th></th></setting<></th></setting></th></setting<>	option 1>,	<setting o<="" th=""><th>ption 2&gt;,</th><th>., <setting< th=""><th>optic</th><th>n n&gt;</th><th></th><th></th></setting<></th></setting>	ption 2>,	., <setting< th=""><th>optic</th><th>n n&gt;</th><th></th><th></th></setting<>	optic	n n>							
	For all othe	r responses	, refer to "Er	ror List."						ID					
Description	This inquire	s about the	parameter o	ptions which	h enable the	e display so	creen	setting a	t startup	to be set.					
	at the s A "busy (Refer t -2 The set	is inquires about the parameter options which enable the display screen setting at startup to be set.  1 This inquiry can be made when the projector is in both the <b>remote mode</b> and <b>power-on</b> status at the same time.  A "busy" response is given while the zoom or focus lens is being driven.  (Refer to the ZCONTDRV command and FCONTDRV command.)  2 The setting for the screen displayed at startup can be set by the PJON command.													
Example			0.45	_											
	< r:PJON	=I, CANON,	SKIP, LOG	O											
	* Commands	are indicated	by ">", and re	esponses are	indicated by	"<".									
Commands	0.100	SX6	SX60	X600											
supported		01.01**	01.01**	01.01**			_								
	0	0	0	0											

Model	F	owe	r					Input					Мо	de	Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	Remarks
SX50	×	0	×	0	0	0	0	0	0	-	_	0	0	×	
SX6	×	0	×	0	0	0	0	0	0	0	0	0	0	×	
SX60															
X600															

<sup>\*</sup> If a command cannot be supported, 'INVALID\_MODE' or 'NOT\_POWER\_SUPPLIED' is returned as an error response.
\* "i:BUSY" may be returned if the power status is being switched.

Commands	RANG	E NOS	SIG				Mode	Control	Setting	Reference					
Function	Display scre	een when th	ere are no s	ignals settin	g option re	equest									
Format	RANGE	□PJON													
Response	r:NOSI	G=I, <settin< th=""><th>g option 1&gt;</th><th>, <setting< th=""><th>option 2&gt;,</th><th>, <setti< th=""><th>ng opt</th><th>ion n&gt;</th><th></th><th></th></setti<></th></setting<></th></settin<>	g option 1>	, <setting< th=""><th>option 2&gt;,</th><th>, <setti< th=""><th>ng opt</th><th>ion n&gt;</th><th></th><th></th></setti<></th></setting<>	option 2>,	, <setti< th=""><th>ng opt</th><th>ion n&gt;</th><th></th><th></th></setti<>	ng opt	ion n>							
	For all othe	r responses	, refer to "Er	ror List."						ID					
Description	This inquire be set.	s about the	parameter o	ptions which	n enable th	e display	screen	when the	ere are r	no signals to					
	at the s A "busy (Refer t	1 This inquiry can be made when the projector is in both the <b>remote mode</b> and <b>power-on</b> status at the same time. A "busy" response is given while the zoom or focus lens is being driven. (Refer to the ZCONTDRV command and FCONTDRV command.) 2 The display screen when there are no signals can be set by the NOSIG command.													
Example		> RANGE NOSIG  < r:NOSIG=I, BLACK, BLUE, LOGO													
	* Commands	are indicated	by ">", and re	esponses are	indicated by	/ "<".									
Commands		SX6	SX60	X600											
supported		01.01**	01.01**	01.01**											
	0	0	0	0					J						

N	Nodel		owe						Input					Mo	de	Remarks
		OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	Remarks
0,	SX50	×	0	×	0	0	0	0	0	0	-	-	0	0	×	
	SX6	×	0	×	0	0	0	0	0	0	0	0	0	0	×	
3	SX60															
2	X600															

<sup>\*</sup> If a command cannot be supported, 'INVALID\_MODE' or 'NOT\_POWER\_SUPPLIED' is returned as an error response.

\* "i:BUSY" may be returned if the power status is being switched.

Commands	RANGE	NOS	SHOW				Mode	Control	Setting	Reference					
Function	Display scree	n when no	thing is sho	wn setting o	ption reque	esi									
Format	RANGEL	NOSHOV	V												
Response	r:NOSHO	W=I, <set< th=""><th>tting option</th><th>1&gt;, <settin< th=""><th>g option 2</th><th>:&gt;,, <se< th=""><th>tting c</th><th>ption n&gt;</th><th>•</th><th></th></se<></th></settin<></th></set<>	tting option	1>, <settin< th=""><th>g option 2</th><th>:&gt;,, <se< th=""><th>tting c</th><th>ption n&gt;</th><th>•</th><th></th></se<></th></settin<>	g option 2	:>,, <se< th=""><th>tting c</th><th>ption n&gt;</th><th>•</th><th></th></se<>	tting c	ption n>	•						
	For all other r	esponses,	refer to "Er	ror List."						ID					
Description	This inquires	about the	parameter o	ptions which	n enable the	e display s	creen	when not	hing is	shown to be					
	set.														
	-1 This inqui	1 This inquiry can be made when the projector is in both the <b>remote mode</b> and <b>power-on</b> status													
		This inquiry can be made when the projector is in both the <b>remote mode</b> and <b>power-on</b> status at the same time.  A "busy" response is given while the zoom or focus lens is being driven.													
	-	-	-	e the zoom on the contract of		_		•							
	-2 The curre						,	SHOW	commar	nd.					
		. ,													
Example				000											
	< r:NOSHO	vvv=i, BLA	UN, BLUE, I	_OGO											
	* Commands ar	re indicated	by ">", and re	esponses are	indicated by	"<".									
Commands	0.100	SX6	SX60	X600											
supported	01.00	01.01**	01.01**	01.01**											
	0	0	0	0											

Model	F	Powe	er					Input					Mo	de	Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	Remarks
SX50	×	0	×	0	0	0	0	0	0	-	-	0	0	×	
SX6	×	0	×	0	0	0	0	0	0	0	0	0	0	×	
SX60															
X600															

<sup>\*</sup> If a command cannot be supported, 'INVALID\_MODE' or 'NOT\_POWER\_SUPPLIED' is returned as an error response.

\* "i:BUSY" may be returned if the power status is being switched.

RANG	E LOG	OPOS	5		Mo	ode (	Control S	etting	Reference					
Jser image	position set	ting option i	nquiry											
RANGE	LOGOPO	os												
r:LOG0	POS=I, <se< th=""><th>etting optio</th><th>n 1&gt;, <setti< th=""><th>ng option 2</th><th>?&gt;,, <sett< th=""><th>ting o</th><th>option n&gt;</th><th>•</th><th></th></sett<></th></setti<></th></se<>	etting optio	n 1>, <setti< th=""><th>ng option 2</th><th>?&gt;,, <sett< th=""><th>ting o</th><th>option n&gt;</th><th>•</th><th></th></sett<></th></setti<>	ng option 2	?>,, <sett< th=""><th>ting o</th><th>option n&gt;</th><th>•</th><th></th></sett<>	ting o	option n>	•						
or all other	responses,	refer to "En	ror List."						ID					
This inquires	s about the	parameter o	ptions which	n enable the	user screer	ı (log	o) display	/ positi	on to be					
at the sa A "busy" (Refer to -2 An inqui (The "e:	1 This inquiry can be made when the projector is in both the <b>remote mode</b> and <b>power-on</b> status at the same time.  A "busy" response is given while the zoom or focus lens is being driven. (Refer to the ZCONTDRV command and FCONTDRV command.)  2 An inquiry cannot be made if the user image has not been registered. (The "e:1002 NO_LOGO_CAPTURED" error is returned.)													
< r:LOGO	POS=I, UPI	PER_L, UPF	- 1	,	<b>-</b> ′	ER_F	₹							
SX50	SX6	SX60	X600											
01.00**	01.01**	01.01**	01.01**											
0	0	0	0											
	RANGE  r:LOGO  For all other  This inquire set.  -1 This inquire set.  -1 This inquire set.  -2 An inquire set.  -3 The use  > RANGE  < r:LOGO  Commands  SX50	RANGE□LOGOPO  r:LOGOPOS=I, <so "busy"="" "e:1002="" (refer="" (the="" -1="" -2="" -3="" 01.00**="" <="" a="" about="" all="" an="" are="" at="" be="" can="" cannot="" commands="" his="" i="" image="" indicated="" inquires="" inquiry="" no_l="" o1.01**<="" or="" other="" pos="" r:logopos="I," response="" responses,="" same="" set.="" sx50="" sx6="" th="" the="" this="" time.="" to="" upi="" user="" zcon=""><th>RANGE□LOGOPOS  r:LOGOPOS=I, <setting "busy"="" "entition="" (refer="" -1="" a="" about="" all="" at="" be="" can="" commodured="" company="" company<="" etc.="" for="" given="" in="" inquires="" inquiry="" is="" made="" of="" option="" other="" parameter="" refer="" response="" responses,="" same="" th="" the="" this="" time.="" to="" when="" while="" zcontdrv=""><th>RANGE□LOGOPOS  r:LOGOPOS=I, <setting 1="" option="">, <setti "busy"="" "e:1002="" "error="" (refer="" (the="" -1="" -2="" -3="" a="" about="" all="" an="" and="" at="" be="" by="" can="" cannot="" command="" error.="" fc)="" for="" given="" if="" image="" inquires="" inquiry="" is="" li="" list."="" made="" no_logo_captured"="" of="" options="" other="" parameter="" position="" projector="" refer="" response="" responses,="" same="" set="" set.="" the="" this="" time.="" to="" user="" when="" which="" while="" zcontdrv="" zoom=""> RANGE LOGOPOS  &lt; r:LOGOPOS=I, UPPER_L, UPPER_R, CEN  Commands are indicated by "&gt;", and responses are  SX50 SX6 SX60 X600 01.00** 01.01** 01.01** 01.01**</setti></setting></th><th>RANGE□LOGOPOS  r:LOGOPOS=I, <setting 1="" option="">, <setting "="" "busy"="" "error="" (refer="" -1="" 2="" a="" about="" all="" and="" are="" be="" both="" by="" can="" command="" enable="" fcontdrv="" focus="" for="" given="" in="" indicated="" inquires="" inquiry="" is="" lens="" list."="" made="" option="" options="" or="" other="" parameter="" projector="" refer="" response="" responses,="" same="" set.="" that="" the="" this="" time.="" to="" when="" which="" while="" zcontdrv="" zoom="">"", and responses are indicated by "SX50 SX6 SX60 X600 01.01" 01.01" 01.01" 01.01"</setting></setting></th><th>RANGE□LOGOPOS  r:LOGOPOS=I, <setting 1="" option="">, <setting 2="" option="">,, <setting 2="" option="">,, <setting 1="" option="">, <setting 2="" option="">,, <s< th=""><th>RANGE□LOGOPOS  r:LOGOPOS=I, <setting 1="" option="">, <setting 2="" option="">,, <setting "busy"="" "e:1002="" "error="" (log="" (refer="" (the="" -1="" -2="" -3="" a="" about="" all="" an="" and="" at="" be="" been="" being="" both="" by="" can="" cannot="" command="" command.="" command.)="" driven.="" enable="" error="" fcontdrv="" focus="" given="" has="" if="" image="" in="" inquires="" inquiry="" is="" lens="" list."="" logopos="" made="" mode="" no_logo_captured"="" not="" of="" options="" or="" other="" parameter="" position="" projector="" refer="" registered.="" remote="" response="" responses,="" returned.)="" same="" screen="" set="" set.)="" the="" this="" time.="" to="" user="" when="" which="" while="" zcontdrv="" zoom=""> RANGE LOGOPOS  &lt; r:LOGOPOS=I, UPPER_L, UPPER_R, CENTER, LOWER_L, LOWER_E  Commands are indicated by "&gt;", and responses are indicated by "&lt;".  SX50 SX6 SX60 X600 01.01** 01.01** 01.01**</setting></setting></setting></th><th>RANGE□LOGOPOS  r:LOGOPOS=I, <setting 1="" option="">, <setting 2="" option="">,, <setting n="" option="">  For all other responses, refer to "Error List."  This inquires about the parameter options which enable the user screen (logo) display set.  -1 This inquiry can be made when the projector is in both the remote mode and pow at the same time.  A "busy" response is given while the zoom or focus lens is being driven. (Refer to the ZCONTDRV command and FCONTDRV command.)  -2 An inquiry cannot be made if the user image has not been registered. (The "e:1002 NO_LOGO_CAPTURED" error is returned.)  -3 The user image position can be set by the LOGOPOS command.  &gt; RANGE LOGOPOS  &lt; r:LOGOPOS=I, UPPER_L, UPPER_R, CENTER, LOWER_L, LOWER_R  Commands are indicated by "&gt;", and responses are indicated by "&lt;".  SX50 SX6 SX60 X600 01.00** 01.01** 01.01** 01.01**</setting></setting></setting></th><th>RANGE□LOGOPOS  r:LOGOPOS=I, <setting 1="" option="">, <setting 2="" option="">,, <setting n="" option="">  For all other responses, refer to "Error List."  This inquires about the parameter options which enable the user screen (logo) display positivet.  -1 This inquiry can be made when the projector is in both the remote mode and power-on at the same time.  A "busy" response is given while the zoom or focus lens is being driven.  (Refer to the ZCONTDRV command and FCONTDRV command.)  -2 An inquiry cannot be made if the user image has not been registered.  (The "e:1002 NO_LOGO_CAPTURED" error is returned.)  -3 The user image position can be set by the LOGOPOS command.  &gt; RANGE LOGOPOS  &lt; r:LOGOPOS=I, UPPER_L, UPPER_R, CENTER, LOWER_L, LOWER_R  Commands are indicated by "&gt;", and responses are indicated by "&lt;".  SX50 SX6 SX60 X600 01.01** 01.01** 01.01** 01.01**</setting></setting></setting></th></s<></setting></setting></setting></setting></setting></setting></setting></setting></setting></setting></setting></setting></setting></setting></setting></setting></setting></setting></setting></setting></setting></setting></setting></setting></setting></setting></setting></setting></setting></setting></setting></setting></setting></setting></setting></setting></setting></setting></setting></setting></setting></setting></setting></setting></setting></setting></setting></setting></setting></setting></setting></setting></setting></setting></setting></setting></setting></setting></setting></setting></setting></setting></setting></setting></setting></setting></setting></setting></setting></setting></setting></setting></setting></setting></setting></setting></setting></setting></setting></setting></setting></th></setting></th></so>	RANGE□LOGOPOS  r:LOGOPOS=I, <setting "busy"="" "entition="" (refer="" -1="" a="" about="" all="" at="" be="" can="" commodured="" company="" company<="" etc.="" for="" given="" in="" inquires="" inquiry="" is="" made="" of="" option="" other="" parameter="" refer="" response="" responses,="" same="" th="" the="" this="" time.="" to="" when="" while="" zcontdrv=""><th>RANGE□LOGOPOS  r:LOGOPOS=I, <setting 1="" option="">, <setti "busy"="" "e:1002="" "error="" (refer="" (the="" -1="" -2="" -3="" a="" about="" all="" an="" and="" at="" be="" by="" can="" cannot="" command="" error.="" fc)="" for="" given="" if="" image="" inquires="" inquiry="" is="" li="" list."="" made="" no_logo_captured"="" of="" options="" other="" parameter="" position="" projector="" refer="" response="" responses,="" same="" set="" set.="" the="" this="" time.="" to="" user="" when="" which="" while="" zcontdrv="" zoom=""> RANGE LOGOPOS  &lt; r:LOGOPOS=I, UPPER_L, UPPER_R, CEN  Commands are indicated by "&gt;", and responses are  SX50 SX6 SX60 X600 01.00** 01.01** 01.01** 01.01**</setti></setting></th><th>RANGE□LOGOPOS  r:LOGOPOS=I, <setting 1="" option="">, <setting "="" "busy"="" "error="" (refer="" -1="" 2="" a="" about="" all="" and="" are="" be="" both="" by="" can="" command="" enable="" fcontdrv="" focus="" for="" given="" in="" indicated="" inquires="" inquiry="" is="" lens="" list."="" made="" option="" options="" or="" other="" parameter="" projector="" refer="" response="" responses,="" same="" set.="" that="" the="" this="" time.="" to="" when="" which="" while="" zcontdrv="" zoom="">"", and responses are indicated by "SX50 SX6 SX60 X600 01.01" 01.01" 01.01" 01.01"</setting></setting></th><th>RANGE□LOGOPOS  r:LOGOPOS=I, <setting 1="" option="">, <setting 2="" option="">,, <setting 2="" option="">,, <setting 1="" option="">, <setting 2="" option="">,, <s< th=""><th>RANGE□LOGOPOS  r:LOGOPOS=I, <setting 1="" option="">, <setting 2="" option="">,, <setting "busy"="" "e:1002="" "error="" (log="" (refer="" (the="" -1="" -2="" -3="" a="" about="" all="" an="" and="" at="" be="" been="" being="" both="" by="" can="" cannot="" command="" command.="" command.)="" driven.="" enable="" error="" fcontdrv="" focus="" given="" has="" if="" image="" in="" inquires="" inquiry="" is="" lens="" list."="" logopos="" made="" mode="" no_logo_captured"="" not="" of="" options="" or="" other="" parameter="" position="" projector="" refer="" registered.="" remote="" response="" responses,="" returned.)="" same="" screen="" set="" set.)="" the="" this="" time.="" to="" user="" when="" which="" while="" zcontdrv="" zoom=""> RANGE LOGOPOS  &lt; r:LOGOPOS=I, UPPER_L, UPPER_R, CENTER, LOWER_L, LOWER_E  Commands are indicated by "&gt;", and responses are indicated by "&lt;".  SX50 SX6 SX60 X600 01.01** 01.01** 01.01**</setting></setting></setting></th><th>RANGE□LOGOPOS  r:LOGOPOS=I, <setting 1="" option="">, <setting 2="" option="">,, <setting n="" option="">  For all other responses, refer to "Error List."  This inquires about the parameter options which enable the user screen (logo) display set.  -1 This inquiry can be made when the projector is in both the remote mode and pow at the same time.  A "busy" response is given while the zoom or focus lens is being driven. (Refer to the ZCONTDRV command and FCONTDRV command.)  -2 An inquiry cannot be made if the user image has not been registered. (The "e:1002 NO_LOGO_CAPTURED" error is returned.)  -3 The user image position can be set by the LOGOPOS command.  &gt; RANGE LOGOPOS  &lt; r:LOGOPOS=I, UPPER_L, UPPER_R, CENTER, LOWER_L, LOWER_R  Commands are indicated by "&gt;", and responses are indicated by "&lt;".  SX50 SX6 SX60 X600 01.00** 01.01** 01.01** 01.01**</setting></setting></setting></th><th>RANGE□LOGOPOS  r:LOGOPOS=I, <setting 1="" option="">, <setting 2="" option="">,, <setting n="" option="">  For all other responses, refer to "Error List."  This inquires about the parameter options which enable the user screen (logo) display positivet.  -1 This inquiry can be made when the projector is in both the remote mode and power-on at the same time.  A "busy" response is given while the zoom or focus lens is being driven.  (Refer to the ZCONTDRV command and FCONTDRV command.)  -2 An inquiry cannot be made if the user image has not been registered.  (The "e:1002 NO_LOGO_CAPTURED" error is returned.)  -3 The user image position can be set by the LOGOPOS command.  &gt; RANGE LOGOPOS  &lt; r:LOGOPOS=I, UPPER_L, UPPER_R, CENTER, LOWER_L, LOWER_R  Commands are indicated by "&gt;", and responses are indicated by "&lt;".  SX50 SX6 SX60 X600 01.01** 01.01** 01.01** 01.01**</setting></setting></setting></th></s<></setting></setting></setting></setting></setting></setting></setting></setting></setting></setting></setting></setting></setting></setting></setting></setting></setting></setting></setting></setting></setting></setting></setting></setting></setting></setting></setting></setting></setting></setting></setting></setting></setting></setting></setting></setting></setting></setting></setting></setting></setting></setting></setting></setting></setting></setting></setting></setting></setting></setting></setting></setting></setting></setting></setting></setting></setting></setting></setting></setting></setting></setting></setting></setting></setting></setting></setting></setting></setting></setting></setting></setting></setting></setting></setting></setting></setting></setting></setting></setting></setting></th></setting>	RANGE□LOGOPOS  r:LOGOPOS=I, <setting 1="" option="">, <setti "busy"="" "e:1002="" "error="" (refer="" (the="" -1="" -2="" -3="" a="" about="" all="" an="" and="" at="" be="" by="" can="" cannot="" command="" error.="" fc)="" for="" given="" if="" image="" inquires="" inquiry="" is="" li="" list."="" made="" no_logo_captured"="" of="" options="" other="" parameter="" position="" projector="" refer="" response="" responses,="" same="" set="" set.="" the="" this="" time.="" to="" user="" when="" which="" while="" zcontdrv="" zoom=""> RANGE LOGOPOS  &lt; r:LOGOPOS=I, UPPER_L, UPPER_R, CEN  Commands are indicated by "&gt;", and responses are  SX50 SX6 SX60 X600 01.00** 01.01** 01.01** 01.01**</setti></setting>	RANGE□LOGOPOS  r:LOGOPOS=I, <setting 1="" option="">, <setting "="" "busy"="" "error="" (refer="" -1="" 2="" a="" about="" all="" and="" are="" be="" both="" by="" can="" command="" enable="" fcontdrv="" focus="" for="" given="" in="" indicated="" inquires="" inquiry="" is="" lens="" list."="" made="" option="" options="" or="" other="" parameter="" projector="" refer="" response="" responses,="" same="" set.="" that="" the="" this="" time.="" to="" when="" which="" while="" zcontdrv="" zoom="">"", and responses are indicated by "SX50 SX6 SX60 X600 01.01" 01.01" 01.01" 01.01"</setting></setting>	RANGE□LOGOPOS  r:LOGOPOS=I, <setting 1="" option="">, <setting 2="" option="">,, <setting 2="" option="">,, <setting 1="" option="">, <setting 2="" option="">,, <s< th=""><th>RANGE□LOGOPOS  r:LOGOPOS=I, <setting 1="" option="">, <setting 2="" option="">,, <setting "busy"="" "e:1002="" "error="" (log="" (refer="" (the="" -1="" -2="" -3="" a="" about="" all="" an="" and="" at="" be="" been="" being="" both="" by="" can="" cannot="" command="" command.="" command.)="" driven.="" enable="" error="" fcontdrv="" focus="" given="" has="" if="" image="" in="" inquires="" inquiry="" is="" lens="" list."="" logopos="" made="" mode="" no_logo_captured"="" not="" of="" options="" or="" other="" parameter="" position="" projector="" refer="" registered.="" remote="" response="" responses,="" returned.)="" same="" screen="" set="" set.)="" the="" this="" time.="" to="" user="" when="" which="" while="" zcontdrv="" zoom=""> RANGE LOGOPOS  &lt; r:LOGOPOS=I, UPPER_L, UPPER_R, CENTER, LOWER_L, LOWER_E  Commands are indicated by "&gt;", and responses are indicated by "&lt;".  SX50 SX6 SX60 X600 01.01** 01.01** 01.01**</setting></setting></setting></th><th>RANGE□LOGOPOS  r:LOGOPOS=I, <setting 1="" option="">, <setting 2="" option="">,, <setting n="" option="">  For all other responses, refer to "Error List."  This inquires about the parameter options which enable the user screen (logo) display set.  -1 This inquiry can be made when the projector is in both the remote mode and pow at the same time.  A "busy" response is given while the zoom or focus lens is being driven. (Refer to the ZCONTDRV command and FCONTDRV command.)  -2 An inquiry cannot be made if the user image has not been registered. (The "e:1002 NO_LOGO_CAPTURED" error is returned.)  -3 The user image position can be set by the LOGOPOS command.  &gt; RANGE LOGOPOS  &lt; r:LOGOPOS=I, UPPER_L, UPPER_R, CENTER, LOWER_L, LOWER_R  Commands are indicated by "&gt;", and responses are indicated by "&lt;".  SX50 SX6 SX60 X600 01.00** 01.01** 01.01** 01.01**</setting></setting></setting></th><th>RANGE□LOGOPOS  r:LOGOPOS=I, <setting 1="" option="">, <setting 2="" option="">,, <setting n="" option="">  For all other responses, refer to "Error List."  This inquires about the parameter options which enable the user screen (logo) display positivet.  -1 This inquiry can be made when the projector is in both the remote mode and power-on at the same time.  A "busy" response is given while the zoom or focus lens is being driven.  (Refer to the ZCONTDRV command and FCONTDRV command.)  -2 An inquiry cannot be made if the user image has not been registered.  (The "e:1002 NO_LOGO_CAPTURED" error is returned.)  -3 The user image position can be set by the LOGOPOS command.  &gt; RANGE LOGOPOS  &lt; r:LOGOPOS=I, UPPER_L, UPPER_R, CENTER, LOWER_L, LOWER_R  Commands are indicated by "&gt;", and responses are indicated by "&lt;".  SX50 SX6 SX60 X600 01.01** 01.01** 01.01** 01.01**</setting></setting></setting></th></s<></setting></setting></setting></setting></setting></setting></setting></setting></setting></setting></setting></setting></setting></setting></setting></setting></setting></setting></setting></setting></setting></setting></setting></setting></setting></setting></setting></setting></setting></setting></setting></setting></setting></setting></setting></setting></setting></setting></setting></setting></setting></setting></setting></setting></setting></setting></setting></setting></setting></setting></setting></setting></setting></setting></setting></setting></setting></setting></setting></setting></setting></setting></setting></setting></setting></setting></setting></setting></setting></setting></setting></setting></setting></setting></setting></setting></setting></setting></setting></setting></setting>	RANGE□LOGOPOS  r:LOGOPOS=I, <setting 1="" option="">, <setting 2="" option="">,, <setting "busy"="" "e:1002="" "error="" (log="" (refer="" (the="" -1="" -2="" -3="" a="" about="" all="" an="" and="" at="" be="" been="" being="" both="" by="" can="" cannot="" command="" command.="" command.)="" driven.="" enable="" error="" fcontdrv="" focus="" given="" has="" if="" image="" in="" inquires="" inquiry="" is="" lens="" list."="" logopos="" made="" mode="" no_logo_captured"="" not="" of="" options="" or="" other="" parameter="" position="" projector="" refer="" registered.="" remote="" response="" responses,="" returned.)="" same="" screen="" set="" set.)="" the="" this="" time.="" to="" user="" when="" which="" while="" zcontdrv="" zoom=""> RANGE LOGOPOS  &lt; r:LOGOPOS=I, UPPER_L, UPPER_R, CENTER, LOWER_L, LOWER_E  Commands are indicated by "&gt;", and responses are indicated by "&lt;".  SX50 SX6 SX60 X600 01.01** 01.01** 01.01**</setting></setting></setting>	RANGE□LOGOPOS  r:LOGOPOS=I, <setting 1="" option="">, <setting 2="" option="">,, <setting n="" option="">  For all other responses, refer to "Error List."  This inquires about the parameter options which enable the user screen (logo) display set.  -1 This inquiry can be made when the projector is in both the remote mode and pow at the same time.  A "busy" response is given while the zoom or focus lens is being driven. (Refer to the ZCONTDRV command and FCONTDRV command.)  -2 An inquiry cannot be made if the user image has not been registered. (The "e:1002 NO_LOGO_CAPTURED" error is returned.)  -3 The user image position can be set by the LOGOPOS command.  &gt; RANGE LOGOPOS  &lt; r:LOGOPOS=I, UPPER_L, UPPER_R, CENTER, LOWER_L, LOWER_R  Commands are indicated by "&gt;", and responses are indicated by "&lt;".  SX50 SX6 SX60 X600 01.00** 01.01** 01.01** 01.01**</setting></setting></setting>	RANGE□LOGOPOS  r:LOGOPOS=I, <setting 1="" option="">, <setting 2="" option="">,, <setting n="" option="">  For all other responses, refer to "Error List."  This inquires about the parameter options which enable the user screen (logo) display positivet.  -1 This inquiry can be made when the projector is in both the remote mode and power-on at the same time.  A "busy" response is given while the zoom or focus lens is being driven.  (Refer to the ZCONTDRV command and FCONTDRV command.)  -2 An inquiry cannot be made if the user image has not been registered.  (The "e:1002 NO_LOGO_CAPTURED" error is returned.)  -3 The user image position can be set by the LOGOPOS command.  &gt; RANGE LOGOPOS  &lt; r:LOGOPOS=I, UPPER_L, UPPER_R, CENTER, LOWER_L, LOWER_R  Commands are indicated by "&gt;", and responses are indicated by "&lt;".  SX50 SX6 SX60 X600 01.01** 01.01** 01.01** 01.01**</setting></setting></setting>					

	ouppo.		<u> </u>		ia Otato											
I	Model		owe						Input					Мо	de	Remarks
L		OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	Remarks
I	SX50	×	0	×	0	0	0	0	0	0	-	_	0	0	×	
I	SX6	×	0	×	0	0	0	0	0	0	0	0	0	0	×	
ı	SX60															
l	X600															

<sup>\*</sup> If a command cannot be supported, 'INVALID\_MODE' or 'NOT\_POWER\_SUPPLIED' is returned as an error response.

\* "i:BUSY" may be returned if the power status is being switched.

9. Details of command RANGE LANG User Command Specifications

Commands	RANG	E LAN	IG			N	<del>lode</del>	Control	Setting	Reference					
Function	Language s	etting option	request												
Format	RANGE	□LANG													
Response	r:LANG	6=I, <setting< th=""><th>g option 1&gt;,</th><th><setting o<="" th=""><th>ption 2&gt;,</th><th>., <setting< th=""><th>optio</th><th>on n&gt;</th><th></th><th></th></setting<></th></setting></th></setting<>	g option 1>,	<setting o<="" th=""><th>ption 2&gt;,</th><th>., <setting< th=""><th>optio</th><th>on n&gt;</th><th></th><th></th></setting<></th></setting>	ption 2>,	., <setting< th=""><th>optio</th><th>on n&gt;</th><th></th><th></th></setting<>	optio	on n>							
	For all othe	r responses	, refer to "Er	ror List."						ID					
Description	This inquire	s about the	parameter o	ptions which	n enable the	language	to be	set.							
	at the s A "busy (Refer t	,													
Example	< r:LANG	-2 The language can be set by the LANG command.  > RANGE LANG  < r:LANG=I,ENG,FRA,GER,ITA,SPA,POR,SWE,DUT,RUS,CHS,CHT,KOR,JPN,FIN,NOR,TUR, POL,HUN,CZE,DAN													
		are indicated			indicated by '	'<".									
Commands		SX6	SX60	X600											
supported	01.00** O	01.01** O	01.01** O	01.01** O			-								
	U	U	U	U											

Model	F	Powe	er					Input					Мо	de	Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	Remarks
SX50	×	0	×	0	0	0	0	0	0	-	-	0	0	×	
SX6	×	0	×	0	0	0	0	0	0	0	0	0	0	×	
SX60															
X600															

<sup>\*</sup> If a command cannot be supported, 'INVALID\_MODE' or 'NOT\_POWER\_SUPPLIED' is returned as an error response.

\* "i:BUSY" may be returned if the power status is being switched.

Commands	RANG	E TER	MINAL	_		M	ode	Control	Setting	Reference			
Function	Terminal se	etting option	request										
Format	RANGE	TERMIN	AL										
Response	r:TERM	IINAL=I, <s< th=""><th>etting optic</th><th>n 1&gt;, <sett< th=""><th>ing option 2</th><th>2&gt;,, <set< th=""><th>ting</th><th>option</th><th>n&gt;</th><th></th></set<></th></sett<></th></s<>	etting optic	n 1>, <sett< th=""><th>ing option 2</th><th>2&gt;,, <set< th=""><th>ting</th><th>option</th><th>n&gt;</th><th></th></set<></th></sett<>	ing option 2	2>,, <set< th=""><th>ting</th><th>option</th><th>n&gt;</th><th></th></set<>	ting	option	n>				
	For all othe	r responses	refer to "Er	ror List."						ID			
Description	This inquire	s about the	parameter c	ptions which	n enable the	terminal to	be s	et.					
	<ul> <li>-1 This inquiry can be made when the projector is in both the remote mode and power-on status at the same time.</li> <li>A "busy" response is given while the zoom or focus lens is being driven.</li> <li>(Refer to the ZCONTDRV command and FCONTDRV command.)</li> <li>-2 The terminal can be set by the TERMINAL command.</li> </ul>												
Example	_	TERMINAL											
	< r:TERM	IINAL=I, IN,	OUT										
	* Commands	are indicated	by ">", and re	esponses are	indicated by '	"<".							
Commands	SX50	SX6	SX60	X600	·								
supported		01.01**	01.01**	01.01**			<u> </u>						
	0	×	×	×		<u> </u>	<u> </u>						
	When a com	mand is not si	upported, "e:0	00A INVALID	_PARAMETE	R" is returne	d.						

	toa comma			_											
Model	Parameter	F	Powe	er					Input					Mo	de
		OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local
SX50	IN	×	0	×	0	0	0	0	0	0	-	-	0	0	×
3/30	OUT	×	0	×	0	0	×	×	0	0	ı	-	0	0	×
SX6															
SX60	_	_	_	-	_	_	_	-	-	-	_	_	-	_	-
X600															

<sup>\*</sup> If the command cannot be supported, 'INVALID\_MODE,' 'NOT\_POWER\_SUPPLIED' or 'TERMINAL\_OUT' is returned as an error response.

\* "i:BUSY" may be returned if the power status is being switched.

Commands	RANG	E KEY	<b>LOCK</b>	,		Me	ode (	Control Se	etting	Reference					
Function	Key lock se	tting option	request												
Format	RANGE	KEYLOC	K												
Response	r:KEYL	OCK=I, <se< th=""><th>etting option</th><th>n 1&gt;, <setti< th=""><th>ng option 2</th><th>2&gt;,, <setti< th=""><th>ng o</th><th>ption n&gt;</th><th></th><th></th></setti<></th></setti<></th></se<>	etting option	n 1>, <setti< th=""><th>ng option 2</th><th>2&gt;,, <setti< th=""><th>ng o</th><th>ption n&gt;</th><th></th><th></th></setti<></th></setti<>	ng option 2	2>,, <setti< th=""><th>ng o</th><th>ption n&gt;</th><th></th><th></th></setti<>	ng o	ption n>							
	For all othe	responses	, refer to "Er	ror List."						ID					
Description	This inquire	his inquires about the parameter options which enable key lock to be set.													
	at the s A "busy (Refer t -2 Key loc	<ul> <li>-1 This inquiry can be made when the projector is in both the remote mode and power-on status at the same time.</li> <li>A "busy" response is given while the zoom or focus lens is being driven.</li> <li>(Refer to the ZCONTDRV command and FCONTDRV command.)</li> <li>-2 Key lock can be set by the KEYLOCK command.</li> </ul>													
Example		KEYLOCK													
	< r:KEYL	OCK=I, MAI	N, RC												
			by ">", and re	esponses are	indicated by	"<".									
Commands		SX6	SX60	X600											
supported	01.00** O	01.01**	01.01**	01.01** O											
	J														

Model	F	Powe	er					Input					Mo	de	Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	INCIIIAINS
SX50	×	0	×	0	0	0	0	0	0	-	-	0	0	×	
SX6	×	0	×	0	0	0	0	0	0	0	0	0	0	×	
SX60															
X600															

<sup>\*</sup> If a command cannot be supported, 'INVALID\_MODE' or 'NOT\_POWER\_SUPPLIED' is returned as an error response.
\* "i:BUSY" may be returned if the power status is being switched.

9. Details of command RANGE RCCH User Command Specifications

Commands	RANG	E RCC	H			M	ode	Control	Setting	Reference					
Function	Remote cor	ntrol setting	option reque	est											
Format	RANGE	□RCCH													
Response	r:RCCF	I=I, <setting< th=""><th>g option 1&gt;,</th><th>, <setting o<="" th=""><th>ption 2&gt;,</th><th>., <setting< th=""><th>optio</th><th>n n&gt;</th><th></th><th></th></setting<></th></setting></th></setting<>	g option 1>,	, <setting o<="" th=""><th>ption 2&gt;,</th><th>., <setting< th=""><th>optio</th><th>n n&gt;</th><th></th><th></th></setting<></th></setting>	ption 2>,	., <setting< th=""><th>optio</th><th>n n&gt;</th><th></th><th></th></setting<>	optio	n n>							
	For all othe	r responses	, refer to "Er	ror List."						ID					
Description	This inquire	his inquires about the parameter options which enable remote control to be set.													
	<ul> <li>-1 This inquiry can be made when the projector is in both the remote mode and power-on status at the same time.</li> <li>A "busy" response is given while the zoom or focus lens is being driven.</li> <li>(Refer to the ZCONTDRV command and FCONTDRV command.)</li> <li>-2 Remote control can be set by the RCCH command.</li> </ul>														
Example															
	< r:RCCH	I=I, T, Z													
			by ">", and re		indicated by	"<".									
Commands	0,100	SX6	SX60	X600											
supported		01.01**	01.01**	01.01**			-								
	Ü	O	U	U			1								
	0	0	0	0											

Model	F	owe	r					Input					Mo	de	Remarks
	OFF	ON	PM	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	Remarks
SX50	×	0	×	0	0	0	0	0	0	-	_	0	0	×	
SX6	×	0	×	0	0	0	0	0	0	0	0	0	0	×	
SX60															
X600															

<sup>\*</sup> If a command cannot be supported, 'INVALID\_MODE' or 'NOT\_POWER\_SUPPLIED' is returned as an error response.
\* "i:BUSY" may be returned if the power status is being switched.

User Command Specifications 9. Details of command RANGE GUID

g option n>	ID												
	ID												
	ID												
	ID												
or all other responses, refer to ¨Error List.¨													
This command is used to inquire about the parameter options which enable the guide to be set.  (1) This inquiry can be made when the projector is in both the <b>remote mode</b> and <b>power-on</b> status at the same time.  However, a "busy" response is given while the zoom or focus lens is being driven.  ( Refer to the ZCONTDRV command and FCONTDRV command. )  (2) The guide can be set using the GUIDE command.													
> RANGE GUIDE < r:GUIDE=I, ON, OFF  *Commands are indicated by ">", and responses are indicated by "<".													
turned													
•	mote mode and power-on state lens is being driven.												

Model	Pow	er sı	apply					Input					Мо	de	Remarks
	OFF	ON	РМ	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	Remarks
SX50	_	-	_	_	_	_	_	_	_	-	-	_	_	_	
SX6	×	0	×	0	0	0	0	0	0	0	0	0	0	×	
SX60															
X600															

<sup>\*</sup>If a state is not supported, "INVALID\_MODE" or "NOT\_POWER\_SUPPLIED" is returned with the Err response.

 $<sup>\</sup>pmb{*} \textbf{When the power supply state is in the process of switching, an "i:BUSY" reply may be sent.}$ 

User Command Specifications 9. Details of command RANGE DPON

Commands	RANGE	DPON	1				Mode	Control	Setting	Reference					
Function	Direct power	∼on setting i	nquiry												
Format	RANGE	□DPON													
Response	r:DPON=	I, <setting o<="" th=""><th>ption 1&gt;, <se< th=""><th>etting option</th><th>2&gt;, ···, <set< th=""><th>ting option n&gt;</th><th>•</th><th></th><th></th><th></th></set<></th></se<></th></setting>	ption 1>, <se< th=""><th>etting option</th><th>2&gt;, ···, <set< th=""><th>ting option n&gt;</th><th>•</th><th></th><th></th><th></th></set<></th></se<>	etting option	2>, ···, <set< th=""><th>ting option n&gt;</th><th>•</th><th></th><th></th><th></th></set<>	ting option n>	•								
	For all other	responses, r	efer to "Err	or List."						ID					
Description	This commar	nd is used to	inquire abou	t the parame	ter options	which enable	direct p	ower-on	to be se	t.					
	(1) This inquiry can be made when the projector is in both the <b>remote mode</b> and <b>power-on</b> status at the same time.  However, a "busy" response is given while the zoom or focus lens is being driven.  ( Refer to the ZCONTDRV command and FCONTDRV command. )  (2) Direct power-on can be set using the DPON command.														
Example	< r:DPON=	> RANGE DPON <pre> <pre> <pre> <pre></pre></pre></pre></pre>													
Commands	SX50	SX6	SX60	X600	cated by < .										
supported	01. 00**	01. 01**	01. 01**	01. 01**											
	×	0	O	0	DAMETED":	<u> </u>									
	When a comma	and is not supp	oorted, "e:000	a invalid_pai	RAMETER" is	returned.									

Model	Pow	er sı	pply					Input					Мо	de	Remarks
	OFF	ON	РМ	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	Remarks
SX50	_	_	_	_	_	_	_	_	_	-	-	_	_	_	
SX6	×	0	×	0	0	0	0	0	0	0	0	0	0	×	
SX60															
X600															

<sup>\*</sup>If a state is not supported, "INVALID\_MODE" or "NOT\_POWER\_SUPPLIED" is returned with the Err response.

 $<sup>\</sup>pmb{*} \textbf{When the power supply state is in the process of switching, an "i:BUSY" reply may be sent.}$ 

Commands	RANGE	E LEDIL	LUMIN	ATE			Mode	Control	Setting	Reference					
Function	Emotional L	ED and signal	sensing LED	lighting set	ting option re	quest									
Format	RANGE	LEDILLUM	INATE												
Response	r:LEDILI	_UMINATE=I,	<setting opt<="" th=""><th>tion 1&gt;, <set< th=""><th>ting option 2</th><th>&gt;, ···, <settin< th=""><th>g option</th><th>n&gt;</th><th></th><th></th></settin<></th></set<></th></setting>	tion 1>, <set< th=""><th>ting option 2</th><th>&gt;, ···, <settin< th=""><th>g option</th><th>n&gt;</th><th></th><th></th></settin<></th></set<>	ting option 2	>, ···, <settin< th=""><th>g option</th><th>n&gt;</th><th></th><th></th></settin<>	g option	n>							
	For all other	responses, r	refer to "Err	or List."						ID					
Description	sensing LED  (1) This inquithe sam  However  ( Refe	This command is used to inquire about the parameter options which enable emotional LED and signal sensing LED lighting control to be set.  (1) This inquiry can be made when the projector is in both the <b>remote mode</b> and <b>power-on</b> status at the same time.  However, a "busy" response is given while the zoom or focus lens is being driven.  ( Refer to the ZCONTDRV command and FCONTDRV command. )  (2) LED lighting control can be set using the LEDILLUMINATE command.													
Example	< r:LEDILl	> RANGE LEDILLUMINATE < r.LEDILLUMINATE=I, ON, OFF  *Commands are indicated by ">", and responses are indicated by "<".													
Commands	SX50	SX6	SX60	X600											
supported	01. 00**														
	Whon a comm	O and is not sun	O ported "e:000	O A INIVALID DA	DAMETED":~	roturnod									
	When a comm	and is not sup	ported, "e:000,	a invalid_pa	RAMETER" is	returned.									

Model	Pow	er sı	ıpply					Input					Мо	de	Remarks
	OFF	ON	РМ	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	INCINIALNS
SX50	_	_		_	_	_	_	_	_	-	-	_	_	_	
SX6 SX60 X600	×	0	×	0	0	0	0	0	0	0	0	0	0	×	

<sup>\*</sup>If a state is not supported, "INVALID\_MODE" or "NOT\_POWER\_SUPPLIED" is returned with the Err response.

<sup>\*</sup>When the power supply state is in the process of switching, an "i:BUSY" reply may be sent.

Commands	RANGI	E ZSTE	PDRV				Mode	Control	Setting	Reference
Function	Zoom lens s	tep drive cor	itrol option r	equest						
Format	RANGE	□ZSTEPDR\	/							
Response	r:ZSTEF	PDRV=I, <set< th=""><th>ting option 1</th><th>&gt;, <setting o<="" th=""><th>otion 2&gt;, ···,</th><th><setting opti<="" th=""><th>on n&gt;</th><th></th><th></th><th></th></setting></th></setting></th></set<>	ting option 1	>, <setting o<="" th=""><th>otion 2&gt;, ···,</th><th><setting opti<="" th=""><th>on n&gt;</th><th></th><th></th><th></th></setting></th></setting>	otion 2>, ···,	<setting opti<="" th=""><th>on n&gt;</th><th></th><th></th><th></th></setting>	on n>			
	For all other	responses, r	refer to "Err	or List."						ID
Description	the sam Howeve (Ref	uiry can be n	nades when t esponse is gi ONTDRV	the projector ven if the zocommand a	is in both the om or focus I	e remote modens is being	de and pode	oower-on )		
Example		ZSTEPDRV PDRV=I, WIDE	, TELE							
Commands	SX50	SX6	SX60	X600						•
supported	01. 00**	01. 01**	01. 01**	01. 01**						
	×	0	0	0						
	When a comm	and is not sup	ported, "e:000,	a invalid_pa	RAMETER" is	returned.				

Model	Pow	er sı	pply					Input					Мо	de	Remarks
	OFF	ON	РМ	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	Remarks
SX50	_	_	_	_	_	_	_	_	_	_	_	-	_	_	
SX6 SX60 X600	×	0	×	0	0	0	0	0	0	0	0	0	0	×	

<sup>\*</sup>If a state is not supported, "INVALID\_MODE" or "NOT\_POWER\_SUPPLIED" is returned with the Err response.

 $<sup>\</sup>pmb{*} \textbf{When the power supply state is in the process of switching, an "i:BUSY" reply may be sent.}$ 

RANGE	E ZCON	ITDRV				Mode	Control	Setting	Reference
Zoom lens c	ontinuous dri	ive control of	otion request						
RANGE	□CONTZDR	V							
r:ZCON	TDRV=I, <set< th=""><th>tting option 1</th><th>&gt;, <setting o<="" th=""><th>ption 2&gt;, ···,</th><th><setting opt<="" th=""><th>ion n&gt;</th><th></th><th></th><th></th></setting></th></setting></th></set<>	tting option 1	>, <setting o<="" th=""><th>ption 2&gt;, ···,</th><th><setting opt<="" th=""><th>ion n&gt;</th><th></th><th></th><th></th></setting></th></setting>	ption 2>, ···,	<setting opt<="" th=""><th>ion n&gt;</th><th></th><th></th><th></th></setting>	ion n>			
For all other	responses, r	refer to "Err	or List."						ID
continuously  (1) This inq the sam However ( Refe	v. uiry can be n e time. r, <b>a "busy" r</b> er to the ZC	nade when the esponse is gi ONTDRV (	ven if the zoo	s in both the om or focus and FCON	remote mode lens is being TDRV com	e and po driven mand.	ower-on . )	status a	
		P, WIDE, TEI	LE						
SX50	SX6	SX60	X600						
01. 00**	01. 01**	01. 01**	01. 01**						
×	)	•	•		L				
	RANGE  rZCON  For all other  This comma continuously  (1) This inq the sam Howeve ( Ref. (2) Continu  > RANGE < r:ZCON  SX50  01. 00**  ×	RANGE□CONTZDR  r:ZCONTDRV=I, <sei "busy"="" (="" (1)="" (2)="" a="" all="" be="" can="" command="" continuous="" continuously.="" control="" for="" however,="" inquiry="" is="" n="" of="" of<="" other="" r="" refer="" responses,="" same="" th="" the="" this="" time.="" to="" used="" zc=""><th>RANGE□CONTZDRV  rZCONTDRV=I, <setting "busy"="" "err="" (1)="" (2)="" (refer="" 1="" a="" about="" all="" be="" can="" command="" continuous="" continuously.="" control="" for="" gired="" however,="" inquire="" inquiry="" is="" left="" made="" of="" of<="" option="" other="" refer="" response="" responses,="" same="" th="" the="" this="" time.="" to="" used="" when="" zcontdrv="" zoom=""><th>Zoom lens continuous drive control option request  RANGE□CONTZDRV  rZCONTDRV=I, <setting 1="" option="">, <setting "busy"="" "error="" (="" (1)="" (2)="" a="" about="" all="" at="" be="" by="" can="" command="" continuous="" continuously.="" control="" exponented="" for="" given="" however,="" if="" inquire="" inquiry="" is="" lens="" list."="" made="" o="" of="" other="" parame="" projector="" refer="" response="" responses,="" same="" th="" the="" this="" time.="" to="" used="" when="" zcontdrv="" zoo="" zoo<="" zoom=""><th>RANGE □ CONTZDRV  rZCONTDRV=I, <setting 1="" option="">, <setting 2="" option="">,,  For all other responses, refer to "Error List."  This command is used to inquire about the parameter options occontinuously.  (1) This inquiry can be made when the projector is in both the the same time.  However, a "busy" response is given if the zoom or focus ( Refer to the ZCONTDRV command and FCON' (2) Continuous control of the zoom lens can be exercised usin &gt; RANGE ZCONTDRV  &lt; rZCONTDRV=I,-STOP, WIDE, TELE  SX50 SX6 SX60 X600 O1, 00** 01, 01** 01**</setting></setting></th><th>Zoom lens continuous drive control option request  RANGE□CONTZDRV  rZCONTDRV=I, <setting 1="" option="">, <setting 2="" option="">, ···, <setting 5="" option="">, ···, <setting "busy"="" "error="" (1)="" (2)="" (refer="" 6="" <="" a="" about="" all="" and="" be="" being="" both="" can="" command="" continuous="" continuously.="" control="" enable="" exercised="" fcontdrv="" focus="" for="" given="" however,="" if="" in="" inquire="" inquiry="" is="" lens="" list."="" made="" mode="" of="" option="" options="" or="" other="" p="" parameter="" projector="" refer="" remote="" response="" responses,="" same="" the="" this="" time.="" to="" used="" using="" when="" which="" zcontdrv="" zoom="">  &gt; RANGE ZCONTDRV   ⟨ r.ZCONTDRV=I,-STOP, WIDE, TELE  SX50 SX6 SX60 X600 01.01** 01.01** 01.01**</setting></setting></setting></setting></th><th>RANGE CONTDRV=I, <setting 1="" option="">, <setting 2="" option="">, ···, <setting n="" option="">  For all other responses, refer to "Error List."  This command is used to inquire about the parameter options which enable the zoor continuously.  (1) This inquiry can be made when the projector is in both the remote mode and potthe same time.  However, a "busy" response is given if the zoom or focus lens is being driven ( Refer to the ZCONTDRV command and FCONTDRV command.  (2) Continuous control of the zoom lens can be exercised using the ZCONTDRV &gt; RANGE ZCONTDRV -I, -STOP, WIDE, TELE  SX50 SX6 SX60 X600 X600 O1. 00** O1. 01** setting></setting></setting></th><th>Zoom lens continuous drive control option request  RANGE□CONTZDRV  rZCONTDRV=I, <setting 1="" option="">, <setting 2="" option="">, ···, <setting n="" option="">  For all other responses, refer to "Error List."  This command is used to inquire about the parameter options which enable the zoom lens to continuously.  (1) This inquiry can be made when the projector is in both the remote mode and power—on the same time.  However, a "busy" response is given if the zoom or focus lens is being driven  ( Refer to the ZCONTDRV command and FCONTDRV command. )  (2) Continuous control of the zoom lens can be exercised using the ZCONTDRV command. &gt; RANGE ZCONTDRV    &gt; RANGE ZCONTDRV =I,-STOP, WIDE, TELE  SX50 SX6 SX60 X600 O O O O O O O O O O O O O O O O O O</setting></setting></setting></th><th>RANGE□CONTZDRV  r-ZCONTDRV=I, <setting 1="" option="">, <setting 2="" option="">, ···, <setting n="" option="">  For all other responses, refer to "Error List."  This command is used to inquire about the parameter options which enable the zoom lens to be drive continuously.  (1) This inquiry can be made when the projector is in both the remote mode and power—on status at the same time.  However, a "busy" response is given if the zoom or focus lens is being driven.  ( Refer to the ZCONTDRV command and FCONTDRV command. )  (2) Continuous control of the zoom lens can be exercised using the ZCONTDRV command.  &gt; RANGE ZCONTDRV  &lt;</setting></setting></setting></th></setting></setting></th></setting></th></sei>	RANGE□CONTZDRV  rZCONTDRV=I, <setting "busy"="" "err="" (1)="" (2)="" (refer="" 1="" a="" about="" all="" be="" can="" command="" continuous="" continuously.="" control="" for="" gired="" however,="" inquire="" inquiry="" is="" left="" made="" of="" of<="" option="" other="" refer="" response="" responses,="" same="" th="" the="" this="" time.="" to="" used="" when="" zcontdrv="" zoom=""><th>Zoom lens continuous drive control option request  RANGE□CONTZDRV  rZCONTDRV=I, <setting 1="" option="">, <setting "busy"="" "error="" (="" (1)="" (2)="" a="" about="" all="" at="" be="" by="" can="" command="" continuous="" continuously.="" control="" exponented="" for="" given="" however,="" if="" inquire="" inquiry="" is="" lens="" list."="" made="" o="" of="" other="" parame="" projector="" refer="" response="" responses,="" same="" th="" the="" this="" time.="" to="" used="" when="" zcontdrv="" zoo="" zoo<="" zoom=""><th>RANGE □ CONTZDRV  rZCONTDRV=I, <setting 1="" option="">, <setting 2="" option="">,,  For all other responses, refer to "Error List."  This command is used to inquire about the parameter options occontinuously.  (1) This inquiry can be made when the projector is in both the the same time.  However, a "busy" response is given if the zoom or focus ( Refer to the ZCONTDRV command and FCON' (2) Continuous control of the zoom lens can be exercised usin &gt; RANGE ZCONTDRV  &lt; rZCONTDRV=I,-STOP, WIDE, TELE  SX50 SX6 SX60 X600 O1, 00** 01, 01** 01**</setting></setting></th><th>Zoom lens continuous drive control option request  RANGE□CONTZDRV  rZCONTDRV=I, <setting 1="" option="">, <setting 2="" option="">, ···, <setting 5="" option="">, ···, <setting "busy"="" "error="" (1)="" (2)="" (refer="" 6="" <="" a="" about="" all="" and="" be="" being="" both="" can="" command="" continuous="" continuously.="" control="" enable="" exercised="" fcontdrv="" focus="" for="" given="" however,="" if="" in="" inquire="" inquiry="" is="" lens="" list."="" made="" mode="" of="" option="" options="" or="" other="" p="" parameter="" projector="" refer="" remote="" response="" responses,="" same="" the="" this="" time.="" to="" used="" using="" when="" which="" zcontdrv="" zoom="">  &gt; RANGE ZCONTDRV   ⟨ r.ZCONTDRV=I,-STOP, WIDE, TELE  SX50 SX6 SX60 X600 01.01** 01.01** 01.01**</setting></setting></setting></setting></th><th>RANGE CONTDRV=I, <setting 1="" option="">, <setting 2="" option="">, ···, <setting n="" option="">  For all other responses, refer to "Error List."  This command is used to inquire about the parameter options which enable the zoor continuously.  (1) This inquiry can be made when the projector is in both the remote mode and potthe same time.  However, a "busy" response is given if the zoom or focus lens is being driven ( Refer to the ZCONTDRV command and FCONTDRV command.  (2) Continuous control of the zoom lens can be exercised using the ZCONTDRV &gt; RANGE ZCONTDRV -I, -STOP, WIDE, TELE  SX50 SX6 SX60 X600 X600 O1. 00** O1. 01** setting></setting></setting></th><th>Zoom lens continuous drive control option request  RANGE□CONTZDRV  rZCONTDRV=I, <setting 1="" option="">, <setting 2="" option="">, ···, <setting n="" option="">  For all other responses, refer to "Error List."  This command is used to inquire about the parameter options which enable the zoom lens to continuously.  (1) This inquiry can be made when the projector is in both the remote mode and power—on the same time.  However, a "busy" response is given if the zoom or focus lens is being driven  ( Refer to the ZCONTDRV command and FCONTDRV command. )  (2) Continuous control of the zoom lens can be exercised using the ZCONTDRV command. &gt; RANGE ZCONTDRV    &gt; RANGE ZCONTDRV =I,-STOP, WIDE, TELE  SX50 SX6 SX60 X600 O O O O O O O O O O O O O O O O O O</setting></setting></setting></th><th>RANGE□CONTZDRV  r-ZCONTDRV=I, <setting 1="" option="">, <setting 2="" option="">, ···, <setting n="" option="">  For all other responses, refer to "Error List."  This command is used to inquire about the parameter options which enable the zoom lens to be drive continuously.  (1) This inquiry can be made when the projector is in both the remote mode and power—on status at the same time.  However, a "busy" response is given if the zoom or focus lens is being driven.  ( Refer to the ZCONTDRV command and FCONTDRV command. )  (2) Continuous control of the zoom lens can be exercised using the ZCONTDRV command.  &gt; RANGE ZCONTDRV  &lt;</setting></setting></setting></th></setting></setting></th></setting>	Zoom lens continuous drive control option request  RANGE□CONTZDRV  rZCONTDRV=I, <setting 1="" option="">, <setting "busy"="" "error="" (="" (1)="" (2)="" a="" about="" all="" at="" be="" by="" can="" command="" continuous="" continuously.="" control="" exponented="" for="" given="" however,="" if="" inquire="" inquiry="" is="" lens="" list."="" made="" o="" of="" other="" parame="" projector="" refer="" response="" responses,="" same="" th="" the="" this="" time.="" to="" used="" when="" zcontdrv="" zoo="" zoo<="" zoom=""><th>RANGE □ CONTZDRV  rZCONTDRV=I, <setting 1="" option="">, <setting 2="" option="">,,  For all other responses, refer to "Error List."  This command is used to inquire about the parameter options occontinuously.  (1) This inquiry can be made when the projector is in both the the same time.  However, a "busy" response is given if the zoom or focus ( Refer to the ZCONTDRV command and FCON' (2) Continuous control of the zoom lens can be exercised usin &gt; RANGE ZCONTDRV  &lt; rZCONTDRV=I,-STOP, WIDE, TELE  SX50 SX6 SX60 X600 O1, 00** 01, 01** 01**</setting></setting></th><th>Zoom lens continuous drive control option request  RANGE□CONTZDRV  rZCONTDRV=I, <setting 1="" option="">, <setting 2="" option="">, ···, <setting 5="" option="">, ···, <setting "busy"="" "error="" (1)="" (2)="" (refer="" 6="" <="" a="" about="" all="" and="" be="" being="" both="" can="" command="" continuous="" continuously.="" control="" enable="" exercised="" fcontdrv="" focus="" for="" given="" however,="" if="" in="" inquire="" inquiry="" is="" lens="" list."="" made="" mode="" of="" option="" options="" or="" other="" p="" parameter="" projector="" refer="" remote="" response="" responses,="" same="" the="" this="" time.="" to="" used="" using="" when="" which="" zcontdrv="" zoom="">  &gt; RANGE ZCONTDRV   ⟨ r.ZCONTDRV=I,-STOP, WIDE, TELE  SX50 SX6 SX60 X600 01.01** 01.01** 01.01**</setting></setting></setting></setting></th><th>RANGE CONTDRV=I, <setting 1="" option="">, <setting 2="" option="">, ···, <setting n="" option="">  For all other responses, refer to "Error List."  This command is used to inquire about the parameter options which enable the zoor continuously.  (1) This inquiry can be made when the projector is in both the remote mode and potthe same time.  However, a "busy" response is given if the zoom or focus lens is being driven ( Refer to the ZCONTDRV command and FCONTDRV command.  (2) Continuous control of the zoom lens can be exercised using the ZCONTDRV &gt; RANGE ZCONTDRV -I, -STOP, WIDE, TELE  SX50 SX6 SX60 X600 X600 O1. 00** O1. 01** setting></setting></setting></th><th>Zoom lens continuous drive control option request  RANGE□CONTZDRV  rZCONTDRV=I, <setting 1="" option="">, <setting 2="" option="">, ···, <setting n="" option="">  For all other responses, refer to "Error List."  This command is used to inquire about the parameter options which enable the zoom lens to continuously.  (1) This inquiry can be made when the projector is in both the remote mode and power—on the same time.  However, a "busy" response is given if the zoom or focus lens is being driven  ( Refer to the ZCONTDRV command and FCONTDRV command. )  (2) Continuous control of the zoom lens can be exercised using the ZCONTDRV command. &gt; RANGE ZCONTDRV    &gt; RANGE ZCONTDRV =I,-STOP, WIDE, TELE  SX50 SX6 SX60 X600 O O O O O O O O O O O O O O O O O O</setting></setting></setting></th><th>RANGE□CONTZDRV  r-ZCONTDRV=I, <setting 1="" option="">, <setting 2="" option="">, ···, <setting n="" option="">  For all other responses, refer to "Error List."  This command is used to inquire about the parameter options which enable the zoom lens to be drive continuously.  (1) This inquiry can be made when the projector is in both the remote mode and power—on status at the same time.  However, a "busy" response is given if the zoom or focus lens is being driven.  ( Refer to the ZCONTDRV command and FCONTDRV command. )  (2) Continuous control of the zoom lens can be exercised using the ZCONTDRV command.  &gt; RANGE ZCONTDRV  &lt;</setting></setting></setting></th></setting></setting>	RANGE □ CONTZDRV  rZCONTDRV=I, <setting 1="" option="">, <setting 2="" option="">,,  For all other responses, refer to "Error List."  This command is used to inquire about the parameter options occontinuously.  (1) This inquiry can be made when the projector is in both the the same time.  However, a "busy" response is given if the zoom or focus ( Refer to the ZCONTDRV command and FCON' (2) Continuous control of the zoom lens can be exercised usin &gt; RANGE ZCONTDRV  &lt; rZCONTDRV=I,-STOP, WIDE, TELE  SX50 SX6 SX60 X600 O1, 00** 01, 01** 01**</setting></setting>	Zoom lens continuous drive control option request  RANGE□CONTZDRV  rZCONTDRV=I, <setting 1="" option="">, <setting 2="" option="">, ···, <setting 5="" option="">, ···, <setting "busy"="" "error="" (1)="" (2)="" (refer="" 6="" <="" a="" about="" all="" and="" be="" being="" both="" can="" command="" continuous="" continuously.="" control="" enable="" exercised="" fcontdrv="" focus="" for="" given="" however,="" if="" in="" inquire="" inquiry="" is="" lens="" list."="" made="" mode="" of="" option="" options="" or="" other="" p="" parameter="" projector="" refer="" remote="" response="" responses,="" same="" the="" this="" time.="" to="" used="" using="" when="" which="" zcontdrv="" zoom="">  &gt; RANGE ZCONTDRV   ⟨ r.ZCONTDRV=I,-STOP, WIDE, TELE  SX50 SX6 SX60 X600 01.01** 01.01** 01.01**</setting></setting></setting></setting>	RANGE CONTDRV=I, <setting 1="" option="">, <setting 2="" option="">, ···, <setting n="" option="">  For all other responses, refer to "Error List."  This command is used to inquire about the parameter options which enable the zoor continuously.  (1) This inquiry can be made when the projector is in both the remote mode and potthe same time.  However, a "busy" response is given if the zoom or focus lens is being driven ( Refer to the ZCONTDRV command and FCONTDRV command.  (2) Continuous control of the zoom lens can be exercised using the ZCONTDRV &gt; RANGE ZCONTDRV -I, -STOP, WIDE, TELE  SX50 SX6 SX60 X600 X600 O1. 00** O1. 01** setting></setting></setting>	Zoom lens continuous drive control option request  RANGE□CONTZDRV  rZCONTDRV=I, <setting 1="" option="">, <setting 2="" option="">, ···, <setting n="" option="">  For all other responses, refer to "Error List."  This command is used to inquire about the parameter options which enable the zoom lens to continuously.  (1) This inquiry can be made when the projector is in both the remote mode and power—on the same time.  However, a "busy" response is given if the zoom or focus lens is being driven  ( Refer to the ZCONTDRV command and FCONTDRV command. )  (2) Continuous control of the zoom lens can be exercised using the ZCONTDRV command. &gt; RANGE ZCONTDRV    &gt; RANGE ZCONTDRV =I,-STOP, WIDE, TELE  SX50 SX6 SX60 X600 O O O O O O O O O O O O O O O O O O</setting></setting></setting>	RANGE□CONTZDRV  r-ZCONTDRV=I, <setting 1="" option="">, <setting 2="" option="">, ···, <setting n="" option="">  For all other responses, refer to "Error List."  This command is used to inquire about the parameter options which enable the zoom lens to be drive continuously.  (1) This inquiry can be made when the projector is in both the remote mode and power—on status at the same time.  However, a "busy" response is given if the zoom or focus lens is being driven.  ( Refer to the ZCONTDRV command and FCONTDRV command. )  (2) Continuous control of the zoom lens can be exercised using the ZCONTDRV command.  &gt; RANGE ZCONTDRV  &lt;</setting></setting></setting>

Model	Pow	er sı	pply					Input					Мо	de	Remarks
	OFF	ON	РМ	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	Remarks
SX50	_	-	_	-	_	_	_	_	_	_	_	-	_	_	
SX6	×	0	×	0	0	0	0	0	0	0	0	0	0	×	
SX60															
X600															

<sup>\*</sup>If a state is not supported, "INVALID\_MODE" or "NOT\_POWER\_SUPPLIED" is returned with the Err response.

<sup>\*</sup>When the power supply state is in the process of switching, an "i:BUSY" reply may be sent.

Commands	RANGE	FSTE	PDRV				Mode	Control	Setting	Reference
Function	Focus lens s	step drive co	ntrol option r	equest						
Format	RANGE	□FSTEPDR\	/							
Response	r:FSTEP	DRV=I, <set< th=""><th>ting option 1</th><th>&gt;, <setting o<="" th=""><th>otion 2&gt;, ···,</th><th>Setting opti</th><th>on n&gt;</th><th></th><th></th><th></th></setting></th></set<>	ting option 1	>, <setting o<="" th=""><th>otion 2&gt;, ···,</th><th>Setting opti</th><th>on n&gt;</th><th></th><th></th><th></th></setting>	otion 2>, ···,	Setting opti	on n>			
	For all other	responses, r	refer to "Err	or List."						ID
Description	(1) This inq the sam Howeve	uiry can be n e time. r, <b>a "busy" r</b> er to the ZC	nade when the esponse is gi	the parame ne projector is ven if the zoo command a an be exercis	om or focus I	remote mod	e and pod driven mand.	ower-on		
Example		FSTEPDRV PDRV=I, FAR,	NEAR							
Commands supported		SX6 01. 01**	SX60 01. 01**	X600 O1. O1**						
	X When a comm	and is not sun	oorted "e:000	O A INVALID_PAI	RAMFTFR" is	returned				

Model	Pow	er sı	pply					Input					Мо	de	Remarks
	OFF	ON	РМ	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	Remarks
SX50	_	_	_	_	_	_	_	_	_	_	_	-	_	_	
SX6	×	0	×	0	0	0	0	0	0	0	0	0	0	×	
SX60															
X600															

<sup>\*</sup>If a state is not supported, "INVALID\_MODE" or "NOT\_POWER\_SUPPLIED" is returned with the Err response.

<sup>\*</sup>When the power supply state is in the process of switching, an "i:BUSY" reply may be sent.

Commands	RANG	FCON	ITDRV				Mode	Control	Setting	Reference
Function	Focus lens of	continuous dr	ive control o	ption reques	t					
Format	RANGE	□FCONTDR'	V							
Response	r:FCON	TDRV=I, <set< th=""><th>ting option 1</th><th>&gt;, <setting o<="" th=""><th>ption 2&gt;, ···,</th><th><setting opt<="" th=""><th>ion n&gt;</th><th></th><th></th><th></th></setting></th></setting></th></set<>	ting option 1	>, <setting o<="" th=""><th>ption 2&gt;, ···,</th><th><setting opt<="" th=""><th>ion n&gt;</th><th></th><th></th><th></th></setting></th></setting>	ption 2>, ···,	<setting opt<="" th=""><th>ion n&gt;</th><th></th><th></th><th></th></setting>	ion n>			
	For all other	responses, r	efer to "Err	or List."						ID
Description	This comma continuously		inquire abou	it the parame	ter options v	vhich enable	the focu	s lens to	be drive	en
	the sam Howeve ( Ref	e time. r, <b>a "busy" r</b> e er to the ZC	esponse is gi ONTDRV (	ven if the zoc command a ens can be e	om or focus I and FCONT	lens is being	<b>driven</b> mand.			į
Example		FCONTDRV TDRV=I, STO	P, FAR, NEA	.R						
Commands	SX50	SX6	SX60	X600						
supported	01. 00** ×	01. 01** O	01. 01** O	01. 01** O						
	When a comm	and is not supp	oorted, "e:000/	A INVALID_PA	RAMETER" is	returned.				

Model	Pow	er sı	apply					Input					Мо	de	Remarks
	OFF	ON	РМ	D-RGB	A-RGB1	A-RGB2	Comp	Video	S-Video	D-Video	SCART	None	Remote	Local	Remarks
SX50	_	_	_	_	_	_	_	_	_	_	_	_	_	-	
SX6	×	0	×	0	0	0	0	0	0	0	0	0	0	×	
SX60															
X600															

<sup>\*</sup>If a state is not supported, "INVALID\_MODE" or "NOT\_POWER\_SUPPLIED" is returned with the Err response.

<sup>\*</sup>When the power supply state is in the process of switching, an "i:BUSY" reply may be sent.

**User Command Specifications** 10. Error List

#### 10. Error List

	. Erro		51						
						ors			
Item	Code	/PE	Error character strings	su	ppo		by	Error	Remedy
¥	Couc	₹				del		2.16.	. toouy
				(1)	(2)	(3)	(4)		
1	0001	е	BAD SEQUENCE	0	0	0	0	Communication sequence error	Wait until the response is received to send
_								·	the command.
2	0002	е	INVALID_COMMAND	0	O	0	O	Command is invalid (undefined).	Send the correct command.
3	0003	е	INVALID_MODE	0	0	0	0	The designated command cannot be executed in this mode.	Switch the mode using the REMOTE or LOCAL command.
1	0004	е	INVALID FORMAT		$\overline{}$		$\overline{}$	The command format is incorrect.	Send in the correct command format.
F	0004		-						Use the POWER ON command to turn on
5	0005	е	NOT_POWER_SUPPLIED	0	0	0	0	Power is not being supplied.	the power.
<b>—</b>								Mode switching or processing inside the	Wait until the power supply state changes
6	_	i	BUSY	0	0	0	O	projector is underway.	to "ON", "OFF", or "PMM".
								The parameter (type) is invalid	
7	000A	е	INVALID_PARAMETER	0	0	0	0	(undefined). This includes the case when	Use the correct parameter(s).
								the number of parameters is incorrect.	
8	000B	е	JOB_TIMEOUT	0	0	0	0	SX50 internal processing has timed out.	Resend the command.
9	_	w	USER_COMMAND_VERSION_IS_UPDATED	0	0		$\circ$	The user command version is being updated.	Use GET COMVER to obtain the latest
Ľ		••	TILL _GG	Ľ	Ľ	$\sqsubseteq$		acor commune version is being appeared.	user command version.
1		i	BUSY (FOCUS)		0	0	0	The focus lens is now being driven.	Wait until the focus lens drive stops.
10	_			_	Ĺ				<u>'</u>
		i	BUSY (ZOOM)		0	0	0	The zoom lens is now being driven.	Wait until the zoom lens drive stops.
-	F001	е	SYSTEM (UNKNOWN)	0	$\circ$	С	$\circ$	An internal error occurred.	Resend the command.
	F002		,	$\vdash$				An error occurred in AUTOSETEXE=FOCUS.	
11			, ,		Ö	$\overline{c}$	$\circ$	An error occurred in AUTOSETEXE=VKS.	Eliminate the cause of the error, and
	F005		SYSTEM (SCREEN_COLOR)		ŏ			An error occurred in AUTOSETEXE=SCRN.	resend the command.
<u></u>					Ť			A communication protocol violation	
12	E0XX	е	COMMUNICATION_ERROR	0	0	0	0	occurred in the projector.	Resend the command.
								This cannot be executed with the current	
40	2007		INIVALID COURCE (****)			_		input source.	Change the innert accord
13	200X	е	INVALID_SOURCE (****)	0	0	O	O	The current input source is indicated in	Change the input source.
								parentheses.	
	2010	е	NO_SIGNAL	0	0	0	0	There is no signal input.	Input the signal.
								This cannot be executed with the current	
14	201X	е	INVALID_SIGNAL (****)	١٥	0		0	input signal.	Change the input signal.
	2017	Ü	**************************************					The current input signal is indicated in	onango ino input signai.
				_	_		_	parentheses.	
		Ì	BUSY (NOW_SETTING)	O	0	0	O	Signal setting (detection) is in progress.	
		i	BUSY	0	0	0	0	Preparing to switch to power management	Wait until the processing is completed.
		:	(POWER_MANAGEMENT_READY)	0	0			standby.	
15	-	ı	BUSY (INTERNAL_PROCESS)	0	U	0		Heavy processing is in progress.	
		÷	-BUSY (FOCUS)		0	Φ	Φ	The focus lens is now being driven.	Wait until the focus lens drive stops.
			DUSY (ZOOM)		_	(	(	The room lone is now being driver	Wait until the goom lens drive store
L		<b>+</b>	BUSY (ZOOM)	L	Φ	Φ	ð	The zoom lens is now being driven.	Wait until the zoom lens drive stops.
	0801							Numerical parameters are invalid as	Use the RANGE command to obtain the
16	0802	е	INVALID_VALUE	0	0	0	0	Numerical parameters are invalid or outside the range.	parameter range, and then use a
L				L		L		outside the range.	parameter within the range.
								The input cannot be selected since the	Use the TERMINAL command to set the
	1001	е	TERMINAL_OUT	0				The input cannot be selected since the terminal is set to output.	terminal to input, and then select the input
								·	again.
	1002	е	NO_LOGO_CAPTURED	0	0	0	0	Processing cannot be executed since the	Register the user image.
1								user image is not registered.	<u> </u>
1	1003	е	IP_NOT_AVAILABLE	0	0	O	O	IP conversion cannot be performed.	Change to the correct input signal.
17	1004	е	POWER_MANEGEMENT_OFF		0	0	0	DPON cannot be set to ON when PMM is OFF.	Set DPON to ON when PMM is not OFF.
1				-	-	-		PMM cannot be set to OFF when DPON is	
1	1005	е	DIRECT_POWER_ON		0	0	0	ON.	Set DPON to OFF.
1					_				After setting BLANK to ON, resend the
1	1006	е	NOW_BLANK		0	0	0	be executed since BLANK is ON.	command.
					_	_	_		Change to the correct resolution of the
	203X	е	INVALID_RESOLUTION (***)	0	0	0	O	The input signal resolution is not correct.	input signal.
4.0			INDUT NOT FOUND		_	(	_	The input was not switched since no input signal	There is no action to be taken since the
18	-	I	INPUT_NOT_FOUND		0	0	0	was found with AUTOSETEXE=INPUT.	status has been notified.
		_		-	_	-	_	cter etring 'Y' is a number from '0' to '0' or I	

 $<sup>\</sup>times$  Given below is the correspondence between the numbers (1) to (4) in the "Errors supported by model" column and the models concerned.

(1)	SX50
(2)	SX6
	SX60
(4)	X600

X The error code is expressed as a four-digit hexadecimal character string. 'X' is a number from '0' to '9' or letter from 'A' to 'F'.
 X Errors with the newer item numbers have higher priority. (When there is more than one error, the highest level error is returned. However, error priority is the same within the same item number.)

User Command Specifications 11. Other

## 11. Other

Use the remote control emulation function (RC command) in Local mode for the following functions.

Function	RC command parameter
No display	NOSHOW
Freeze screen	FREEZE
Digital zoom	DZOOM_P, DZOOM_M
Presentation timer	P_TIMER
Spotlight function	SPOT

User Command Specifications Appendix 1 Reset Items

## Appendix 1 Reset Items

What is initialized by the "RESET" command is set forth in the table below.

ALL	SYSTEM	IMAGE		em				Setting		Reference commar
•			Input source switching					GB2		INPUT
•	I		Toggle button recording				C1:	DRGB C2:A	RGB2	
							V :V	/IDEO		
•	•		ARGB manual for input signal s	etting						
•	•		Input signal select				ΑU٦	ΓΟ		SEL
•	•		Input signal select (PC)				not	selected		
•	•		Screen settings				FUL	_L		ASPECT
•	•		Menu display position				CEN	NTER		
•	•		Logo included/not included				not	included		
•	•		User image position				CEN	NTER		LOGOPOS
•	•		Screen in no show status				BLA			NOSHOW
•	•		No signal screen				BLU			NOSIG
<u>-</u>	<u>_</u>		Startup screen					NON		PJON
<u>-</u>	<u> </u>		Flip display				NOI			IMAGEFLIP
_ <u>=</u>	<u>-</u>		Image mode					ANDARD		IMAGE
<u>-</u>	<del>-</del>		inage mode	What i	s initialized i	in the im				IIVI/ (OL
				STANDARD		CINE		SRGB	1	
	•	•	Brightness	0	0	0	VII (	0	}	BRI
<del></del>	<del></del>		Contrast	0	0	0		0	<b> </b> -	CONT
<del></del>			Sharpness	0	0	0			<b> </b> -	SHARP
<del></del>		-	Gamma	0	0			0	<b> </b> -	GAMMA
- <del>-</del>	ŀ <u>-</u>			0	0	0		0	<b> </b>	DGAMMA
- <del>-</del>	-		Dynamic gamma Screen color correction	NORMAL	NORMAL	NORM	101	NORMAL	<b>}</b> -	WB
- <del>-</del>	ŀ <u>-</u>	•	" adjustment values (R,G,B)						<b>}</b> -	
				0, 0, 0	0, 0, 0	0, 0,		0, 0, 0	<b> </b>	WBRGB
	•		Advanced color adjustment	NOCORRECT					<b> </b>	ACADJUST 6AXR∼Y
	•		6-axis adjustment (SAT,HUE)	0, 0	0, 0	0, 0		0, 0	<b> </b>	
•	•	•	Lamp mode	NORMAL	NORMAL	SILEN	NT.	NORMAL	<b> </b>	LAMP
•	•		Saturation	0	0	0		0	<b> </b>	SAT
•	•	•	Hue	0	0	0			<b> </b>	HUE
•	•	•	Progressive	1	1	1		1	<u> </u>	PROG
	l						<u> </u>			
•	•		Terminal setting				IN			TERMINAL
•	•		Power management				OFF	=		PMM
•	•		Electronic sound				1			BVOL
•	•		Key lock				OFF			KEYLOCK
•	•		Password on/off				OFF	=		
•	•		Password				Non			
•	•		Remote control				CH'	1		RCCH
•			Language				ENG	G		LANG
•	•		Menu category item				not	selected		
•	•		Last spotlight				circ	le(large)		
•	•		Spotlight OSD position					al position		
•	•		Volume				10			AVOL
<u> </u>	<u>-</u>		Keystone					(HKS,VKS)		HKS, VKS
<u> </u>	<u>-</u>		P-Timer				0,0	((0,110)		
	∤ <del>-</del>		Mute				OFF	 =		MUTE
_ <u>=</u>										

User Command Specifications

Appendix 2 Table of Response Patterns by Command

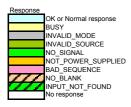
Appendix 2 Table of Response Patterns by Command (1/3)

2005.11.14

App	endix 2 Table of Respo			by Cor	IIIIIai	iu (1/3)																				20	05.11.14
		Version no models s	upported					LOCAL												REMO	OTE						
tem	Commands	SX50	SX6 SX60 X600	Response not send	OFF	OFF2ON	ON	ON2OFF	ON2PMM	PMM	PMM2ON	OFF	OFF2ON	ing				Oh signa	ı			BLA		ON2OFF	ON2PMM	PMM	PMM2ON
4	DEMOTE	01.00**	01.01**											DG .	A1 .	A2 C	M \	/ S\	/ DV	SC	Х	ON	OFF				
2	REMOTE LOCAL	00	00											H	$\dashv$	+	+	+	+								
3	POWER ON	0	0																								
	OFF	U	O															$\perp$				ļ					
	AUTOSETEXE FOCUS VKS													H	$\dashv$	+	+	+	+	H		/					
4	SCRN	×	0																			//					
-	INPUT BLANK	×	0											Н	4	4	4	+	4	Ш	/						
6	INPUT	Ô	00											H	$\dashv$	+	+	+	+	H							
7	AUTOPC	0	0																			←	Ţ				
	DOTS TRACK	00	0												4		+	+	+			↓	↓ ↓				
	HPOS	0	00												$\dashv$	+	+	+	+			<u></u>	<b>←</b>				
11	VPOS	0	0														#					<b>←</b>	←				
	HPIX VPIX	00	00											Н	4		+	+	+			<b>←</b>	↓ ↓				
	SEL	0	0												_		+	+				<u></u>	<b>←</b>				
	ASPECT FULL		0											П	1							<b></b>	←				
15	NORMAL WIDE	0	×											Н	4	-	+	+	-	_		<b>-</b>	<u>-</u>				
	TRUE		0											Ħ	_†							←	<b>←</b>				
	AUTO		_															Ţ				<b>+</b>	Ţ				
	IMAGE BRI	00	00											H	$\dashv$	-	+	+	+								
18	CONT	0	0											H	T			$^{+}$	+								
	SHARP	00	00											П				$\perp$	$\perp$								
	GAMMA DGAMMA	0	0											H	+	+	+	+	+	$\vdash$							
22	PROG	0	0																			<b>←</b>	ļ				
23	WB	00	00															$\perp$									
	WBRGB SAT	0	00											H	$\dashv$	+	+	+	+			<b>—</b>	←				
	HUE	0	0												T		_	-1-				<b>←</b>	<b>←</b>				
27	RGBGAIN	×	0											$\dashv$	+	_	+	+	+			<b>—</b>	<b>←</b>				
28	RGBOFFSET	×	0												#			$\dagger$	t								
29	ACADJUST MEMCADJ	0	×															$\perp$				-	-				
	6AXADJ	×	00											H	$\dashv$	+	+	+	╁	H							
32	6AXR~6AXY	0	0																								
	LAMP RESET	00	00											Н	4	_	4	+	+								
	VKS	0	1											H	7	+	+	+	+			_	-				
ათ	VNO	_	0																								
36	HKS	0	- 0											H	$\dashv$	-	+	+	+			_	_				
37	AVOL	0	0											H	T			$^{+}$	+								
	MUTE	00	0												1												
39 40	BVOL IMAGEFLIP	0	00											$\forall$	+	+	+	+	+	$\vdash$			$\vdash$				
41	PMM	0	0																								
2	PJON NOSIG	00	00											Н	4	4	4	+	4	$\vdash$							
44	NOSHOW	0	0											H	$\dashv$	+	+	+	+	H							
45	LOGOPOS	0	0																								
	LANG TERMINAL IN	0	0											Н	4	4	+	+	+-	-		_					
47	OUT	0	×											H	1	+	+	+	<del> </del> =	Ξ		-	H				
	KEYLOCK	0	0												7	T	Ţ										
49 50	RCCH GUIDE	0 ×	00											H	$\dashv$	+	+	+	$\vdash$	$\vdash$			$\vdash$				
51	DPON	×	0											الط				1	Ħ								
	LEDILLUMINATE	×	0												Ţ				Ε								
	ZSTEPDRV ZCONTDRV	×	00											$\forall$	$\dashv$	+	+	+	+				$\vdash$				
55	FSTEPDRV	×	0																								
56 57	FCONTDRV	×	00																								
	MAIN	00	00											H	+	+											
	Null	Ŏ	Ŏ																								

App	pendix 2 Table of Respo			by Cor	nman	d (2/3)																					
		Version n models s	supported					REMOTE																			
Item	Commands	SX50	SX6 SX60	Response not send	OFF	OFF2ON	ON	ON2OFF	ON2PMM	PMM	PMM2ON	OFF	OFF2ON	ON ON										ON2OFF	ON2PMM	PMM	PMM2ON
		01.00**	X600 01.01**											Input signal DG A1 A2 CM V SV DV SC							X		ANK				1
60	GET MODE	0	0															Ħ									
61	GET POWER	0	-											Ш			_	4	4	1		_	-				
	GET BLANK	_ ×	0											H	_	-	+	+	+	┿	1	-	╁				
		Ô	_											H		_	+	+	+	+	+	-	-				
63	GET INPUT	-	0																								
	GET DOTS GET TRACK	00	0												_	4	4	+	+	+	-	<b>←</b>	<b>←</b>				<u> </u>
	GET HPOS	0	0													-	+	+	+	+	+	<u>`</u>	<u>`</u>				
67	GET VPOS	0	0															T	I			←	←				
68	GET HPIX	00	0													_	_	_	+	$\bot$	_	<b>←</b>	<b>←</b>				
70	GET VPIX GET SEL	0	0													_	+	+	+	+	-	<b>←</b>	<b>←</b>				-
71	GET ASPECT	Ö	ŏ													_	7	$\dashv$	_	+							
72	GET IMAGE	0	0												I	J	I	T		Ε		Ē					
73 74	GET BRI GET CONT	00	0											Н		4	+	+	+	+	$\vdash$	H	$\vdash$				
	GET SHARP	0	0											H		+	$\dashv$	$\pm$	+	$\vdash$	H	H	$\vdash$				
76	GET GAMMA	0	0														_										
	GET DGAMMA GET PROG	00	0														4	4				L	-				
	GET WB	0	0											H		-	+	+	+	+		_	F				
80	GET WBRGB	0	0																l	L	L	L	L				
81	GET SAT	0	0												$\perp$			_		ш							
82	GET HUE	0	0													-	-					←	←				
	GET RGBGAIN	×	0											Ш			_	4	4	1							
	GET RGBOFFSET GET ACADJUST	×	O ×											H		_	+	+	+-	+-	-	-	Η_				-
	GET MEMCADJ	×	0											H		_	+	$^{+}$									
	GET 6AXADJ	×	0																								
	GET 6AXR~Y	00	0											Н		_	_	+	-	+	_	_	<u> </u>				<u> </u>
89	GET VKS	-	0											H		-	+	+	╁	+		Ξ	H				
90	GET HKS	0	-														_	1				Ξ	_				
	GET AVOL	-	0											H		_	_	+	_	+	-		<u> </u>				
		0	_											H		-	+	+	╁	+	╁	-	-				
	GET MUTE	-	0																								
	GET BVOL GET IMAGEFLIP	00	00														_	4	_	4	1		<u> </u>				
	GET IMAGEFLIP	0	0											H		-	+	+	+	+	+		$\vdash$				
96	GET PJON	0	0																								
	GET NOSIG	0	0														_	4	_	4	1		<u> </u>				
	GET NOSHOW GET LOGOPOS	0	0											H	-	+	+	+	╁	╁	╁	-	╁				-
100	GET LANG	0	0															▆		T	L	L	t				
	GET LAMP	0	0												I	J	I	T		Ε		E					
102	GET TERMINAL GET KEYLOCK	00	×											Н		4	+	+	+	+	$\vdash$	-	干				
104	GET RCCH	0	0											Н		+	$\dashv$	+	+	+	٢	H	t				
105	GET GUIDE	×	0																								
	GET DPON GET LEDILLUMINATE	×	0											Н		4	4	+	+	$\perp$	$\vdash$	L	L				
	GET NOSHOWSTATE	×	0											H		+	$\dashv$	$\pm$	+	$\vdash$	$\vdash$	H	H				
	GET FREEZE	×	0											П			1										
114	GET SIGNALSTATUS	0	-													4	4	-	-	1	H	<u> </u>	1-				
<u> </u>		0	0											H		$\dashv$	+	+	+	+	$\vdash$	-	-				
115	GET LAMPCOUNTER	ı	0															▆		T	L		t				
116	GET ERR	0	-											П		I	4	Ŧ	I		E	Ξ	Ξ				
		0	0 -											H		_	+	+	+	+	H	+	+				-
117	GET PRODCODE	_	0											H			$\dashv$	+	+	t		H	t				
118	GET ROMVER	0	_												П	7		T				Ξ	-				
<u> </u>		0	0 -											$\vdash$		$\dashv$	+	+	+	+	$\vdash$	-	-				
119	GET COMVER	_	0																								

App	endix 2 Table of Responding	onse P	atterns	by Cor	nmar	nd (3/3)																					
			numbers of supported					REMOTE																			
Item	Commands	SX50	SX6 SX60	Response not send	OFF	OFF2ON	ON	ONSOEE	ON2PMM	PMM	PMM2ON	OFF	OFF2ON	ON ON2OFF ON2PMM									РММ	PMM2ON			
			X600		011	0112014	OIV	0142011	OI42I WIWI	1 141141	I WIWIZOIN	011	011201				Input signal					BLANK		0142011	OIVEI IVIIVI	1 141141	I WIIWIZOIN
		01.00**	01.01**											DG	A1	A2	CM V	SV	DV	SC	Х	ON (	DFF				
	RANGE POWER	0	0																								
	RANGE AUTOSETEXE	×	0															4				_	_				
	RANGE BLANK	×	0															4				_	_				
	RANGE INPUT	0	0														_	_					_				
	RANGE DOTS RANGE TRACK	00	0											$\vdash$			_	+	$\vdash$	_		<del></del>	<del>-</del>				
	RANGE HPOS	0	0											$\vdash$			-	+	$\vdash$	$\dashv$		_	Ξ				
	RANGE VPOS	ŏ	ŏ														+	+				<u>`</u>	<u>.                                    </u>				
	RANGE HPIX	Ö	ŏ											$\blacksquare$	_	-	+	+	$\vdash$	-		←	←				
	RANGE VPIX	ŏ	ŏ											$\vdash$			-	+				←	←				
	RANGE SEL	ŏ	ŏ														_	+				←	←				
	RANGE ASPECT	ŏ	ŏ															1					T				
	RANGE IMAGE	Ō	Ō															T									
	RANGE BRI	0	0																								
	RANGE CONT	0	0																								
	RANGE SHARP	0	0																								
	RANGE GAMMA	0	0																								
	RANGE DGAMMA	0	0																								
	RANGE PROG	0	0															4				←	←				
	RANGE WB	0	0														_	4-		_			_				
	RANGE WBRGB	00	0														_	4		_		_	_				
	RANGE SAT	0	0												-	-	_	+-	-	_	_	_	-				
142	RANGE HUE	0	0														= -	Ŧ				←	←				
143	RANGE RGBGAIN	×	0																								
	RANGE RGBOFFSET	×	0																								
	RANGE ACADJUST	0	×																			-	-				
	RANGE MEMCADJ	×	0																								
	RANGE 6AXADJ	×	0															4_				_	_				
148	RANGE 6AXR~Y	0	0														_	4-					_				
	RANGE VKS	0	0											_			_	4		_		<b>←</b>	<u>←</u>				
	RANGE HKS RANGE AVOL	0	0											_			_	1				_	_				
	RANGE MUTE	0	0											H			+	╁	-	$\dashv$	_	-	$\dashv$				
	RANGE BVOL	0	ŏ											$\vdash$	_	-	_	+	-	-	_	-	-				
	RANGE IMAGEFLIP	ŏ	ŏ														_	+					_				
	RANGE PMM	ŏ	ŏ														_	+									
	RANGE PJON	Ō	Ō															1					_				
	RANGE NOSIG	0	0																								
	RANGE NOSHOW	0	0																								
	RANGE LOGOPOS	0	0																								
	RANGE LANG	0	0																								
	RANGE LAMP	0	0											ш				4									
	RANGE TERMINAL	0	×											Ш			_	+		_		-	-				
	RANGE KEYLOCK	00	0											$\vdash$			-	+		-	_	_	-				
	RANGE RCCH RANGE GUIDE	×	0											$\vdash$			_	+	H			-	-				
	RANGE DPON	×	0											$\vdash$			_	+	H	-			$\dashv$				
	RANGE LEDILLUMINATE	×	0											$\vdash$			_	+	H	-			-				
	RANGE ZSTEPDRV	×	Ö											$\vdash$				+	H			$\dashv$	-				
	RANGE ZCONTDRV	×	Ö																				_				
	RANGE FSTEPDRV	×	0															T									
171	RANGE FCONTDRV	×	0																								



Status	
OFF	Power Off
OFF2ON	Transitioning from power off→on
ON	Power ON
ON2OFF	Fransitioning from power on→off
ON2PMM	Transitioning from power on→standby mode
PMM	Standby
PMM2ON	Transitioning from standby→power on

Input signal										
	Digital RGB		Video							
			S-Video							
	Analog RGB2		Digital Video							
	Component		SCART							
	Video	×	No signal							
SV	S-Video									